



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>

1878.]

CITY DOCUMENT.

[No. 24.]

TWENTY-THIRD ANNUAL REPORT
UPON THE
BIRTHS, MARRIAGES, AND DEATHS
IN THE
CITY OF PROVIDENCE,
FOR THE YEAR
1877,

By EDWIN M. SNOW, M. D.,
SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.

PROVIDENCE:
J. A. & R. A. REID, PRINTERS.
1878.

1878.]

CITY DOCUMENT.

]No. 24.

TWENTY-THIRD ANNUAL REPORT

UPON THE

BIRTHS, MARRIAGES, AND DEATHS

IN THE

CITY OF PROVIDENCE,

FOR THE YEAR

1877,

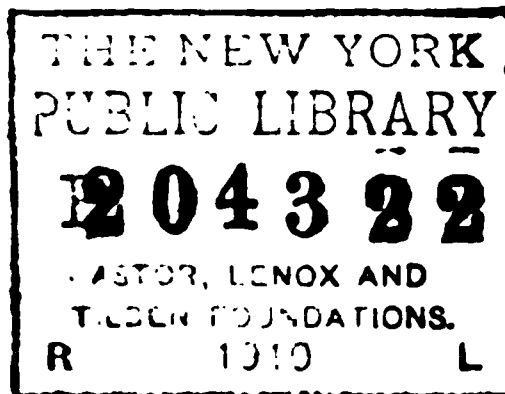
By EDWIN M. SNOW, M. D.,

SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.

PROVIDENCE:

J. A. & R. A. REID, PRINTERS.

1878.



THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved September 9, 1878.]

RESOLVED, That the Twenty-third annual report of the City Registrar, for the year ending December 31, 1877, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under the direction of the joint committee on printing.

A true copy, witness,

SAMUEL W. BROWN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE,
PROVIDENCE, July 30, 1878. }

To the Honorable the City Council:

The Twenty-Third Annual Report upon the Births, Marriages, and Deaths in the City of Providence is herewith presented. It contains the statistics for the year ending December 31, 1877. During the year 1877, there were 2,543 births in Providence, 1,906 persons were married, and 1,938 persons died. This is a decrease of 88 in the number of children born, an increase of 8 in the persons married, and an increase of 73 in the number of deaths as compared with the previous year.

The census of the city in January of the present year, showed that there had been no increase of population since the State census of 1875. We therefore call the population 100,675 for the middle of the year 1877, the same as in 1875. The ratio of births, marriages, and deaths to population, in 1877, was therefore as follows:—

One birth in 39.58; or 25.26 in each 1,000.

One person married in 52.81; or 18.93 in each 1,000.

One death in 51.94; or 19.25 in each 1,000.

During the whole period of twenty-two years, from 1855 to 1876 inclusive, the ratio of births, marriages, and deaths to population in Providence was as follows:

One birth in 34.63; or 28.87 in each 1,000.

One person married in 39.53; or 25.29 in each 1,000.

One death in 50.70; or 19.72 in each 1,000.

During these years there has been a considerable decrease in the proportion of births and of marriages to population; and some decrease in the proportion of deaths.

A complete alphabetical index of the names of all the persons whose births, marriages, or deaths are recorded in Providence from the year 1636 to 1850 inclusive has been prepared, and is now printing. Besides the names of the persons, it contains the dates of the events recorded, and the volume and page of the city records where the names are found. This will be of great value for reference, and will do much for the preservation of the record books.

Respectfully,

EDWIN M. SNOW, M. D.,
Superintendent of Health and City Registrar.

CITY REGISTRAR'S REPORT.

1877.

BIRTHS.

THERE were 2,543 births in the city of Providence, during the year 1877. The following table shows the number in each ward, in each month and quarter of the year ; also the number of each sex, and the number of colored children, born in the whole city in each month and quarter of the year : —

TABLE I. BIRTHS, 1877. *Wards, Months, Sex, and Color.*

the least, in January ; the largest monthly total, in December ; the smallest, in February and April.

Sex and Locality. Table II gives the number of births, and the number of each sex in each ward of the city, in each quarter and in the whole year 1877 : —

TABLE II. BIRTHS, 1877. *Wards, Sex, and Season.*

WARDS.	1st Quarter.			2d Quarter.			3d Quarter.			4th Quarter.			Whole Year.		
	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.	M.	F.	Total.
I.....	48	39	85	36	41	77	49	51	100	50	56	106	181	187	368
II.....	8	5	13	11	2	13	7	9	16	15	8	23	41	24	65
III.....	25	28	53	29	32	61	28	34	62	29	29	58	111	123	234
IV.....	12	8	20	14	12	26	14	16	30	12	16	28	52	52	104
V.....	29	29	58	16	18	34	26	37	63	27	24	51	98	108	206
VI.....	14	11	25	10	15	25	19	17	36	22	18	40	65	61	126
VII.....	26	18	44	23	24	47	21	29	50	20	39	59	90	110	200
VIII.....	38	25	63	37	20	57	39	36	75	44	36	80	158	117	275
IX.....	60	42	102	41	49	90	80	58	138	75	55	130	256	204	460
X.....	58	51	109	63	73	136	50	55	105	79	76	155	250	255	505
Whole city..	316	256	572	280	286	566	333	342	675	373	357	730	1302	1241	2543

Proportion of the Sexes. The whole number of children born in the city in 1877 was 2,543 ; males, 1,302 ; females, 1,241 ; this gives 104.9 males to each 100 females ; or 51.20 males, and 48.80 females in each 100 children born.

The number and proportion of each sex, in each quarter of the year 1877, were as follows : —

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	316	256	or 123.4	to 100,	or 55.24	and 44.76 in each 100 born.
April-June.....	280	286	or 97.9	to 100,	or 49.47	and 50.53 in each 100 born.
July-Sept.....	333	342	or 97.4	to 100,	or 49.33	and 50.67 in each 100 born.
Oct.-Dec.....	373	357	or 104.5	to 100,	or 51.10	and 48.90 in each 100 born.
Whole Year...	1,302	1,241	or 104.9	to 100,	or 51.20	and 48.80, in each 100 born.

The same statistics are given below for the period of twenty-two years, 1856-1877 inclusive ; the number of children born during the period being 41,273 (males, 21,195 ; females, 20,078) : —

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March...	5,214	4,880	or 106.8	to 100,	or 51.65	and 48.35 in each 100 born.
April-June...	5,314	4,972	or 106.9	to 100,	or 51.66	and 48.34 in each 100 born.
July-Sept...	5,155	5,036	or 102.4	to 100,	or 50.58	and 49.42 in each 100 born.
Oct.-Dec.....	5,512	5,190	or 106.2	to 100,	or 51.50	and 48.50 in each 100 born.
22 yrs. total..	21,195	20,078	or 105.6	to 100,	or 51.35	and 48.65 in each 100 born.

8 each in January, April, and May ; 6 each in July and September ; 5 in November ; 4 in December.

The statistics of births, marriages, and deaths among the colored population of Providence, for the 22 years, 1856-1877 inclusive, are as follows :—

Twenty-one years, 1856-1876.....	1,491 births....	728 marriages....	1,576 deaths.
1877.....	104 births....	46 marriages....	105 deaths.
Twenty-two years' total.....	1,595 births....	774 marriages....	1,681 deaths.

In 1877, the proportion of births to deaths was 100 to 100.9 ; for the twenty-two years, 1856-1877, the proportion was 100 to 105.4.

PARENTAGE.

The facts in regard to this subject are of considerable importance and interest, as showing how many different nations are represented in our city, and how these different nationalities are mingling with each other and with the native population.

Table III shows how many children, according to parentage, were born in each ward ; also the number and percentage of each class in the whole city. Where the parents were of different foreign countries, the parentage is given according to the birth-place of the father :—

TABLE III. BIRTHS, 1877. *Wards and Parentage.*

PARENTAGE.	WARDS.										Whole City.	In each 100 born there were
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		
American.....	140	49	84	54	72	81	98	139	229	110	1,054	41.45
Irish.....	101	6	73	27	67	21	53	52	117	197	714	28.08
English and Scotch.....	21	5	7	3	12	5	8	17	36	63	177	6.96
German.....	7	..	1	..	9	5	1	2	9	16	50	1.96
British American.....	16	..	4	1	9	1	3	13	2	16	65	2.56
Portuguese.....	..	..	23	..	..	..	1	..	3	1	28	1.10
Other Foreign.....	6	1	4	5	3	2	2	..	7	3	33	1.30
Total Foreign.....	151	12	112	36	100	34	68	84	174	296	1,067	41.96
American father and Foreign mother.....	30	1	13	6	14	7	12	23	30	48	184	7.23
Foreign father and American mother.....	47	3	25	8	20	4	24	29	27	51	238	9.36
Ward totals.....	368	65	234	104	206	126	200	275	460	505	2,543	100.00

The “other foreign” in this table were as follows : of Swedish parentage, 9 ; Italian, 8 ; Polish, 5 ; Danish, French, and Russian, 3 each ; Mexican and Norwegian, 1 each.

BIRTHS: PARENTAGE.

7

	American. Per cent.	Irish. Per cent.	English, S. & W. Per cent.	German. Per cent.	British America. Per cent.	Portuguese. Per cent.	Other for'n. Per cent.
1856.....	42.09.....	41.79.....	4.84.....	2.27.....	—.....	—.....	2.27
1857.....	38.51.....	44.32.....	5.92.....	3.73.....	—.....	—.....	1.54
1858.....	41.30.....	42.98.....	4.82.....	2.26.....	—.....	—.....	1.33
1859.....	37.60.....	45.58.....	5.34.....	3.26.....	—.....	—.....	1.51
1860.....	40.11.....	40.96.....	6.55.....	2.85.....	—.....	—.....	1.64
1861.....	37.91.....	42.61.....	6.03.....	2.49.....	—.....	—.....	1.97
1862.....	38.52.....	41.53.....	6.02.....	3.07.....	—.....	—.....	1.64
1863.....	35.73.....	43.08.....	6.35.....	2.98.....	—.....	—.....	1.99
1864.....	38.69.....	41.36.....	6.55.....	2.75.....	—.....	—.....	1.34
1865.....	36.67.....	42.99.....	5.93.....	1.85.....	—.....	—.....	1.93
1866.....	40.20.....	39.52.....	6.25.....	2.21.....	—.....	—.....	2.32
1867.....	39.72.....	37.81.....	5.66.....	3.02.....	—.....	—.....	2.21
1868.....	41.75.....	36.01.....	6.48.....	1.88.....	1.07.....	—.....	1.07
1869.....	45.19.....	34.14.....	4.01.....	1.81.....	1.32.....	—.....	1.38
1870.....	42.35.....	34.68.....	6.19.....	1.96.....	1.91.....	—.....	.90
1871.....	44.85.....	32.25.....	4.54.....	1.63.....	2.09.....	—.....	1.73
1872.....	41.12.....	32.46.....	5.67.....	2.77.....	2.31.....	—.....	2.31
1873.....	40.84.....	30.50.....	7.19.....	1.88.....	2.49.....	—.....	2.16
1874.....	38.42.....	32.63.....	8.13.....	2.34.....	2.19.....	1.22.....	1.19
1875.....	37.50.....	31.53.....	7.69.....	2.85.....	2.67.....	.98.....	1.43
1876.....	38.27.....	31.05.....	7.75.....	2.59.....	2.89.....	1.22.....	1.25
1877.....	41.45.....	28.08.....	6.96.....	1.96.....	2.56.....	1.10.....	1.30

The British American were included in the “other foreign” until the year 1868; and the Portuguese until 1874.

The parentage of the children born during the year 1877 is more exactly shown in Table IV, which gives the birthplaces of both parents:—

TABLE IV. BIRTHS, 1877. Parentage.

BIRTHPLACES OF FATHERS.	BIRTHPLACES OF MOTHERS.							Whole number according to the father's birthplace.
	United States.	Ireland.	England, Scotland, and Wales.	Germany.	British America.	Portugal and Western Islands.	Other Countries.	
United States.....	1,054	109	44	...	29	..	2	1,238
Ireland.....	140	666	30	...	18	..	..	854
England, Scotland and Wales....	45	35	124	2	12	..	4	222
Germany.....	18	8	...	36	..	..	6	68
British America.....	23	7	8	...	49	..	1	88
Portugal and Western Islands...	2	3	...	...	..	25	..	30
Other Countries.....	10	5	2	1	..	..	25	43
Whole number, according to the mother's birthplace.....	1,292	833	208	39	108	25	38	2,543

The statistics upon this subject are given in Table VI, for each of the twenty-three years, 1855-1877 inclusive.

This table shows how many children these mothers had already borne, and the average number for each ; but it does not show the average number of children the same mothers may have in a life-time.

This may be ascertained approximately by dividing the number of children born in a long series of years, by the number of mothers bearing their first children during that period. Thus, the whole number of children born in Providence during the twenty-three years, 1855-1877 inclusive, was 42,873, and the number of mothers bearing their first children during that time was 10,734. This would give 3.99 as the average number of children each mother would bear in a life-time.

TABLE VI. BIRTHS, 1855 TO 1877.

Number of child to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate No. of children.	Average.
1855.....	1,588.....	1,600.....	5,214.....	3.28 children to each mother.
1856.....	1,658.....	1,675.....	5,562.....	3.35 children to each mother.
1857.....	1,664.....	1,688.....	5,736.....	3.44 children to each mother.
1858.....	1,706.....	1,724.....	5,685.....	3.33 children to each mother.
1859.....	1,570.....	1,593.....	5,618.....	3.58 children to each mother.
1860.....	1,627.....	1,648.....	5,841.....	3.59 children to each mother.
1861.....	1,694.....	1,725.....	6,017.....	3.55 children to each mother.
1862.....	1,512.....	1,529.....	5,322.....	3.52 children to each mother.
1863.....	1,296.....	1,307.....	4,717.....	3.64 children to each mother.
1864.....	1,327.....	1,344.....	4,887.....	3.68 children to each mother.
1865.....	1,279.....	1,298.....	4,625.....	3.60 children to each mother.
1866.....	1,614.....	1,632.....	5,744.....	3.56 children to each mother.
1867.....	1,595.....	1,624.....	5,497.....	3.50 children to each mother.
1868.....	1,841.....	1,866.....	6,338.....	3.44 children to each mother.
1869.....	1,797.....	1,819.....	5,954.....	3.30 children to each mother.
1870.....	1,859.....	1,889.....	6,145.....	3.31 children to each mother.
1871.....	1,937.....	1,960.....	6,420.....	3.31 children to each mother.
1872.....	2,174.....	2,206.....	7,346.....	3.38 children to each mother.
1873.....	2,104.....	2,128.....	6,731.....	3.20 children to each mother.
1874.....	2,738.....	2,780.....	8,960.....	3.27 children to each mother.
1875.....	2,634.....	2,664.....	8,977.....	3.41 children to each mother.
1876.....	2,604.....	2,631.....	8,914.....	3.42 children to each mother.
1877.....	2,516.....	2,543.....	8,705.....	3.46 children to each mother.
23 years...	42,334	42,873	144,955	3.42 children to each mother.

Table VII gives the number of the child in connection with the age of the mother, and shows how many first, second, etc., children were born in 1877, to mothers at the respective ages given; also the aggregate and average number of children the mothers at each age had borne:—

TABLE VII. BIRTHS, 1877. *Number of child, with age of mother.*

71
 2002

88

* One of these mothers bore twins.

† Two of these mothers bore twins.

The reference marks in this table indicate the age of the mother and the number of the first child in the cases of plurality birth. Thus, at the age of 38 years, three mothers bore twins; in one instance, they were the third and fourth children; and in two instances, they were the seventh and eighth children.

The oldest women bearing children in Providence in 1877, were

two women of 47 years, each of whom had borne seven children before. There were 111 women in Providence, over 40 years old, who bore children in 1877. They had been the mothers of 795 children in all, or an average of 7.16 children to each mother. In the fourteen years and six months from July 1st, 1863, to December 31st, 1877, there were 1,435 women in Providence, of the age of 40 years or more, who bore children. They had borne in all 11,039 children, or an average of 7.69 each.

This record of the age of the mothers has been kept for fourteen years and six months, from July 1st, 1863, to December 31st, 1877, during which time 28,953 children have been borne by mothers whose age was stated. The following table shows the number of children borne by mothers of each age during this period :—

Age of Mother.	Children.	Age of Mother.	Children.	Age of Mother.	Children.
14.....	2	27.....	1,684	40.....	672
15.....	18	28.....	2,020	41.....	191
16.....	46	29.....	1,457	42.....	225
17.....	129	30.....	2,327	43.....	128
18.....	325	31.....	986	44.....	84
19.....	529	32.....	1,321	45.....	89
20.....	857	33.....	1,095	46.....	23
21.....	992	34.....	929	47.....	23
22.....	1,421	35.....	1,455	48.....	7
23.....	1,579	36.....	858	49.....	3
24.....	1,747	37.....	706	50.....	4
25.....	1,966	38.....	777		
26.....	1,795	39.....	483	All, known ages..	28,953

The mothers of these children were divided as to age as follows :—

Under twenty years.....	1,049
Twenty, and under twenty-five.....	6,596
Twenty-five, and under thirty.....	8,922
Thirty, and under thirty-five.....	6,658
Thirty-five, and under forty.....	4,279
Forty, and under forty-five.....	1,300
Forty-five and over.....	149
Total.....	28,953

From this statement it may be seen that of the 28,953 children born during this period, 16,567, or 57.22 per cent. of all, were borne by mothers less than thirty years of age ; 10,937, or 37.78 per cent., by mothers between thirty and forty ; and 1,449, or 5.00 per cent., by mothers of forty years of age and over.

TWENTY-THREE YEARS' SUMMARY OF PLURALITY BIRTHS.

In the twenty-three years, 1855–1877 inclusive, there were 530 cases of plurality births in Providence ; 521 cases of twins ; and 9, of triplets ; whole number of children, 1,069.

Sex. Of the nine cases of triplets, in one case, all the children were males ; in five cases, all were females ; and in three cases, there were two male children, and one female ; making 9 male and 18 female children in the nine cases.

Of the 521 cases of twin births, in 164 cases, both children were males ; in 179 cases, both were females ; in 178 cases, there was one male and one female child ; thus of the 1,042 children, 506 were males, and 536 females. Of the 1,069 children in all the cases of plurality births, there were 515 males, and 554 females.

Color. The parents of all the triplets were white. Of the 521 cases of twins, in 503 cases the parents were white, and in 18 cases, colored.

Parentage. Of the triplets, in one case, the parents were both American ; in five cases, both were Irish ; in one case, both German ; in one, the father was English and the mother Irish ; and in one, the father Scotch and the mother Irish. There was but one American mother in the nine cases.

The following statistics of the 521 cases of twin births, give the nativity of both parents, the first letter representing the father's birthplace and the second the mother's.

A., American ; I., Irish ; E., English ; S., Scotch ; W., Welsh ; G., German ; B. A., British American ; D., Dutch ; P., Portuguese ; It., Italian ; Sw., Swedish :—

Parentage.	No.	Parentage.	No.	Parentage.	No.	Parentage.	No.
A. and A.....	174	I. and A.....	13	G. and I.....	1	I. and S.....	3
I. and I.....	204	E. and A.....	12	B. A. and I.....	1	E. and S.....	1
E. and E.....	23	S. and A.....	2	Sw. and I.....	1	I. and W.....	1
S. and S.....	4	B. A. and A.....	6	It. and I.....	1	A. and B. A....	4
G. and G.....	13	G. and A.....	1	P. and I.....	1	I. and B. A.....	1
B. A. and B. A.	9	Sw. and A.....	1	A. and E.....	3	E. and B. A.....	1
D. and D.....	1	A. and I.....	11	I. and E.....	5	S. and B. A.....	1
P. and P.....	5	E. and I.....	11	S. and E.....	1		
It. and It.....	1	S. and I.....	3	G. and E.....	1	Total.....	521

From this statement it may be seen that in 209 of these cases of twin births, the mothers were natives of the United States ; in 234 cases, the mothers were natives of Ireland ; in 33 cases, of

England, and so on. The whole number of foreign mothers was 312. In the 530 cases of plurality births in the twenty-three years, the number of American mothers was 210 ; foreign mothers, 320.

Proportion of plurality births to whole number. The following numbers show how the year 1877 compares with the twenty-two years previous, 1855-1876 inclusive, as to the total number of births, and the proportion of plurality births to the whole number : —

	Single births.	Twin.	Triplet.	Whole No. Births.	Whole No. Children.
22 years, 1855-1876..	39,315.....	494.....	9.....	39,818.....	40,330
1877.....	2,489.....	27.....	—.....	2,516.....	2,543
23 years' total.....	41,804	521	9	42,334.....	42,873

Cases of plurality births : —

	Twins.	Triplets.
1855-1876.....	1 in 80.6.....	1 in 4,424.2
1877.....	1 in 93.2.....	—
1855-1877.....	1 in 81.3.....	1 in 4,703.7

Children of plurality births : —

	Twins.	Triplets.
1855-1876.....	1 in 40.8.....	1 in 1,493.7
1877.....	1 in 47.1.....	—
1855-1877.....	1 in 41.1.....	1 in 1,587.9

Proportion of plurality births by parentage. In the twenty-three years, 1855-1877 inclusive, there were 42,334 births. The following statement shows the number of births of American, foreign, and mixed parentage ; and the number and proportion of plurality births in each class : —

	Whole No. Births.	Plurality Cases.	1 in	Per cent.
American parents.....	16,981.....	175, or	97.03,	or 1.03
Foreign parents.....	20,545.....	302, or	68.03,	or 1.47
Mixed, American and foreign.....	4,808.....	53, or	90.72,	or 1.10
Total.....	42,334.....	530, or	79.88,	or 1.25

Of the whole number of plurality births in the twenty-three years, the 175 cases of American parentage were 33.02 per cent. ; the 302 cases of foreign parentage were 56.98 per cent. ; and the 53 cases of mixed parentage were 10.00 per cent.

MARRIAGES.

The number of marriages in Providence in the year 1877, was 953.

Table VIII shows the number in each month, each quarter, and the whole year 1877, and in each of the six years preceding, 1871-1876 inclusive ; also the aggregate and average number for the corresponding seasons, in the period of twenty-three years, 1855-1877 inclusive : —

TABLE VIII. MARRIAGES. *Season.*

MONTHS.	1877.	1876.	1875.	1874.	1873.	1872.	1871.	23 years. 1855-1877.	23 years' average.
January.....	68	79	75	93	105	97	75	1,623	71
February.....	65	93	79	87	111	83	75	1,453	63
March.....	38	44	71	56	49	53	47	937	41
First quarter...	171	216	225	236	265	233	197	4,013	175
April.....	83	70	84	95	87	93	72	1,473	64
May.....	85	80	82	113	91	85	78	1,618	70
June.....	83	94	100	101	107	94	94	1,658	72
Second quarter.	251	244	266	309	285	272	244	4,749	206
July.....	85	56	101	88	105	91	74	1,425	62
August.....	76	62	73	80	63	71	65	1,219	53
September.....	87	93	111	129	108	83	73	1,710	74
Third quarter..	248	211	285	297	276	245	212	4,354	189
October.....	99	95	107	127	118	124	99	1,919	83
November.....	102	109	114	114	125	121	120	2,047	89
December.....	82	74	82	93	81	89	71	1,518	66
Fourth quarter.	283	278	303	334	324	334	290	5,484	238
Yearly totals...	953	949	1,079	1,176	1,150	1,084	943	18,600	808

The number of marriages in 1877 was four more than in 1876, but still much smaller than in the four years previous to that. Having estimated the population of the city in the middle of the year 1877, at 100,675, we find the ratio of persons married to the population to be one in 52.82, or 18.93 persons to each thousand

inhabitants. The ratio of persons married to children born, was 75 to 100 ; of persons married, to deaths, 98 to 100.

Season. According to the general rule, the majority of the marriages were in the last six months of the year ; the largest quarterly number being in the fourth quarter. The largest number in one month was 102 in November ; the smallest, 38, in March. The number in the first quarter is always the smallest, but for this year it was even smaller than usual. From the aggregate number of marriages as given in Table VIII for the 23 years, 1855-1877, we find that of each 100 marriages, about 25 are in the winter months, December, January, and February ; 22 in the spring, 23 in the summer, and 30 in the autumn.

The number and percentage of marriages in each quarter of the year 1877, and of the aggregate of marriages in the 22 years previous, 1855-1876, were as follows : —

	1877.		1855-1876.	
	Marriages.	Per cent.	Marriages.	Per cent.
January-March.....	171.....	17.94.....	3,842.....	21.77
April-June.....	251.....	26.34.....	4,498.....	25.49
July-September.....	248.....	26.02.....	4,106.....	23.27
October-December.....	283.....	29.70.....	5,301.....	29.47
Total.....	953.....	100.00.....	17,647.....	100.00

Nativity. The following table gives the birthplaces of both parties, in each of the 953 marriages in the year 1877 : —

TABLE IX. MARRIAGES, 1877. *Nativity of the parties.*

BIRTHPLACE OF GROOMS.	BIRTHPLACE OF BRID	
	United States.	Ireland.
United States.....	545	28
Ireland.....	39	149
England, Scotland, and Wales ..	26	7
Germany.....	5	....
British America.....	19	....
Portugal and Western Islands...	1	....
Other Countries.....	9	2
Whole number of brides	644	198

Bride and Groom born in the same Country. In 754 of these marriages, or 79.12 per cent. of the whole number, both parties were natives of the same country. In 545, or 57.19 per cent., the bride and groom were both born in the United States ; in 149, or 15.63 per cent., both were natives of Ireland ; in 27, both were natives of England, Scotland, or Wales ; in 12, both of Germany ; in 6, both of British America ; in 9, both of Portugal or the Western Islands ; in 6, both parties were of other foreign countries than those named in the table.

Bride and Groom born in different Countries. In 199 marriages, or 20.88 per cent. of all, the bride and groom were natives of different countries ; 39 men born in Ireland married women who were natives of the United States ; and 28 men born in the United States married women born in Ireland. Of the 621 grooms born in the United States, 76, or 12.24 per cent., married women of different foreign countries ; of the 194 grooms born in Ireland, 45, or 23.20 per cent., married natives of other countries. Of the brides, 26 natives of the United States married men born in England, Scotland, or Wales ; 24 natives of British America married men born in the United States, etc. Of the 644 brides, who were natives of the United States, 99, or 15.37 per cent., married men of other countries ; of the 37 born in British America, 31, or 83.78 per cent., married men born in other countries.

Of the 18 grooms born in countries not named in the table, 7 were natives of France ; 4, of Sweden ; 3, of Italy ; and one each of Cuba, Russia, Poland, and St. Helena. Of the 10 brides of other countries, 2 each were natives of France, Poland, and Sweden ; and one each of Hungary, Italy, Switzerland, and the East Indies.

Of the 953 grooms, 621, or 65.16 per cent., were born in the United States ; this number is six more than the number of this class in 1877 ; of the 953 brides, 644, or 67.58 per cent., were natives of the United States ; 4 more than in 1876. The number of grooms, born in foreign countries, was 332 ; two less than in 1876 ; the number of brides 309, which is just the same as in the preceding year.

The number and percentage of American, foreign, and mixed marriages in Providence, are shown in the following table for each of the 23 years, 1855–1877 inclusive. By mixed marriages are understood those where one of the parties was of American, and one of foreign birth :—

TABLE X. MARRIAGES, 1877. *Ages of the Parties.*

AGES OF THE BRIDES.		Number ma.	Percentage of Grooms.
			2.20
			31.06
			33.58
			21.83
			6.40
		31	3.25
		12	1.26
		3	.31
		1	.11
		963	
			100.00

The following table shows the aggregate and average age of the persons married in Providence, in each of the twenty-two years from 1856 to 1877 inclusive:—

Years.	Males.			Females.		
	No.	Aggregate age.	Average age.	No.	Aggregate age.	Average age.
1856....	639....	18,104 years.	28.33 years..	637... 15,589 years..	24.42 years.	
1857....	607....	16,753 years..	27.59 years..	606... 14,427 years..	23.84 years.	
1858....	560....	15,850 years..	28.29 years..	560... 13,702 years..	24.47 years.	
1859....	611....	16,989 years..	27.81 years..	611... 14,616 years..	23.92 years.	
1860....	620....	17,135 years..	27.60 years..	611... 14,667 years..	23.66 years.	
1861....	547....	15,448 years..	28.24 years..	547... 13,316 years..	22.33 years.	
1862....	547....	15,773 years..	28.83 years..	547... 13,565 years..	24.80 years.	
1863....	610....	17,206 years..	28.21 years..	610... 14,792 years..	24.24 years.	
1864....	739....	21,361 years..	28.90 years..	711... 18,075 years..	24.45 years.	
1865....	709....	20,539 years..	28.96 years..	709... 17,605 years..	24.83 years.	
1866....	811....	22,801 years..	28.06 years..	812... 20,036 years..	24.67 years.	
1867....	855....	24,443 years..	28.58 years..	855... 21,078 years..	24.65 years.	
1868....	872....	24,546 years..	28.15 years..	872... 21,440 years..	24.59 years.	
1869....	930....	26,548 years..	28.55 years..	930... 23,135 years..	24.88 years.	
1870....	969....	27,343 years..	28.51 years..	969... 23,773 years..	24.79 years.	
1871....	943....	26,743 years..	28.37 years..	943... 23,290 years..	24.70 years.	
1872....	1,084....	31,110 years..	28.70 years..	1,084... 26,835 years..	24.76 years.	
1873....	1,150....	32,879 years..	28.59 years..	1,150... 28,701 years..	24.96 years.	
1874....	1,178....	33,927 years..	28.85 years..	1,176... 29,510 years..	25.09 years.	
1875....	1,079....	30,848 years..	28.59 years..	1,079... 27,090 years..	25.11 years.	
1876....	949....	27,486 years..	28.97 years..	949... 23,640 years..	24.91 years.	
1877....	953....	27,904 years..	29.28 years..	953... 24,092 years..	25.28 years.	
22 years.	17,951....	511,748 years..	28.51 years..	17,948... 442,944 years..	24.68 years.	

In 1856, the ages of 17 males and 19 females, and in 1857, the ages of 7 males and 8 females, were not given. This will account for the apparent discrepancy in the first lines of this table.

Marriages of colored persons. The number of marriages of colored persons in this city in 1877, was 46 ; 8 more than in 1876. The aggregate and average age of the parties in these marriages were as follows : —

46 males.....	Aggregate age, 1,337 years.....	Average age, 29.06
46 females.....	Aggregate age, 1,143 years.....	Average age, 24.85

The number of marriages of colored persons, during the twenty-two years, 1856–1877 inclusive, was 774 ; the aggregate and average age, as follows : —

774 males.....	Aggregate age, 22,719 years.....	Average age, 29.35
774 females.....	Aggregate age, 20,370 years.....	Average age, 26.32

Number of the marriage. The following table shows how many of those married in Providence in 1877, were married for the first, second, third, or fourth time : —

TABLE XI. MARRIAGES, 1877. *Number of times married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.			Whole number of Grooms.
	First.	Second.	Third.	
First.....	703	63	1	767
Second.....	88	80	4	172
Third.....	5	6	1	12
Fourth.....	1	...	1	2
Whole number of Brides....	797	149	7	953

In 703 instances, or 73.77 per cent. of all, it was the first marriage of both parties ; in 80 instances, it was the second marriage of both. One marriage was the fourth of the groom, and the first of the bride.

Denominational. The number of marriages performed in Providence in 1877, by the clergymen of the different religious denominations, was as follows : —

MARRIAGES : SECT ; RESIDENCE ; EDUCATION. 21

Roman Catholic.....	305	Bethel Pastor.....	10
Calvinistic Baptist.....	138	Lutheran.....	11
Free Will Baptist.....	30	Advent Christian	6
Methodist.....	152	Evangelical Advent.....	13
Episcopalian	105	New Jerusalem.....	3
Congregational.....	58	Latter Day Saints.....	2
Unitarian.....	42	Jewish.....	2
Universalist.....	47		—
Presbyterian.....	10	Total	953
Christian.....	19		

Nativity and Residence. There were 953 marriages in Providence in 1877 ; in only 61 were the bride and groom both born in the city ; these 122 persons were 6.40 per cent. of the whole number of persons married. In 147 more marriages, the groom only was born in Providence; and in 101 others, the bride only. In all there were 370 of the persons married, who were natives of the city ; this is 19.41 per cent. of the whole number. In 104 marriages, or 10.91 per cent. of all, both parties were non-residents.

Marriage and Education. The number of persons married in Providence in 1877, was 1,906 ; they were divided, as to sex and nativity, as follows :—

Born in United States.....	Males, 621.....	Females, 644.....	Total, 1,265
Born in foreign countries.....	Males, 332.....	Females, 309.....	Total, 641

In each class, the number and proportion who signed the marriage certificate with a mark, were as follows :—

1877.	Whole number married.	Signed with a mark.	In each 100.
Males, born in United States.....	621.....	27.....	4.35
Females, born in United States.....	644.....	37.....	5.75
	—	—	—
Total, born in United States.....	1,265.....	64.....	5.06
Males, born in foreign countries.....	332.....	84.....	25.30
Females, born in foreign countries.....	309.....	105.....	33.98
	—	—	—
Total, born in foreign countries.....	641	189	29.49

Of the 64 born in the United States, who signed with a mark, 33 (18 males and 15 females) were colored persons, and 27 more (8 males and 19 females) were of foreign parentage. This leaves only 4 persons (one male and 3 females), of white American parentage, who signed the marriage certificate with a mark.

The following are the statistics on this subject for the eighteen years, 1859-1876 inclusive :—

1859-1876.	Whole number married.	Signed with a mark.	In each 100.
Males, born in United States.....	9,536.....	480.....	5.03
Females, born in United States.....	9,720.....	676.....	6.95
Total, born in United States.....	19,256	1,156	6.00
Males, born in foreign countries.....	5,656.....	1,950.....	34.48
Females, born in foreign countries.	5,472.....	2,799.....	51.15
Total, born in foreign countries.....	11,128	4,749	42.68

These statistics vary slightly from year to year ; thus, in 1875, the number of persons married was 2,158 ; the proportion who signed the certificate with a mark, 18.44 in each hundred ; in 1876, the number married, 1,898 ; the proportion who signed with a mark, 13.07 ; in 1877, the number married, 1,906 ; the proportion who signed with a mark, 13.27 in each hundred.

The statistics for 1877 show a slight increase over those for 1876, both in numbers and proportions, of those who signed with a mark in both the classes mentioned ; but of the persons of American nativity a much smaller proportion were of white American parentage ; the number in 1877 being just one fourth of the number in the preceding year.

DEATHS.

There were 1,938 deaths in Providence during the year 1877 ; this was 73 more than in 1876, and 23 more than in 1875. The number of males in 1877 was 40 more than in 1876 ; of females, 33 more ; of whites, 78 more ; of colored, 5 less ; of natives of the United States, 69 more ; of natives of foreign countries, 4 more ; of American parentage, 33 more ; of foreign parentage, 40 more.

The average death-rate in Providence for the twenty-three years, 1855–1877 inclusive, was one in 50.82 of the population. In 1877, it was as follows among the different classes of the people :—

	Population, 1875.	Deaths, 1877.	To population one death in	Deaths to each 1,000 population.
Whole number.....	100,675.....	1,938.....	51.95.....	19.25
Males	48,701.....	922.....	52.82.....	18.93
Females.....	51,974.....	1,016.....	51.16.....	19.55
Whites	97,188.....	1,833.....	53.02.....	18.86
Colored	3,487.....	105.....	33.21.....	30.11
Born in the United States.....	71,438.....	1,511.....	47.28.....	21.15
Born in Ireland.....	18,458.....	292.....	63.21.....	15.82
Born in England, Scotland, and Wales	6,110.....	83.....	73.61.....	13.58
Born in Germany.....	1,246.....	18.....	69.22.....	14.45
Born in other foreign countries.....	3,423.....	34.....	100.67.....	9.93
Total of foreign born.....	29,237.....	427.....	68.47.....	14.60
American parentage.....	47,316.....	908.....	52.11.....	19.19
Irish parentage.....	37,440.....	719.....	52.07.....	19.20
English, Scotch, and Welsh parentage	9,636.....	177.....	54.44.....	18.37
German parentage.....	2,516.....	44.....	57.18.....	17.49
Other foreign parentage.....	3,767.....	90.....	41.86.....	23.89
Total of foreign parentage.....	53,359.....	1,030.....	51.80.....	19.30

The following table gives some general facts concerning the deaths in 1877 :—

TABLE XII. DEATHS, 1877.

Sex, condition, color, nativity, parentage, locality, season.

1877.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole year.
Whole Number of Deaths.....	153	117	141	157	160	123	189	180	188	173	175	182	1,938
<i>Sex. —</i>													
Males	68	51	71	75	77	61	109	93	94	75	78	70	922
Females.....	85	66	70	82	83	62	80	87	94	98	97	112	1,016
<i>Condition. —</i>													
Married.....	54	42	51	45	51	38	54	45	54	41	46	44	565
Single.....	77	57	74	90	85	74	120	114	116	115	101	112	1,135
Widows.....	17	12	11	14	20	6	10	15	11	10	17	21	164
Widowers.....	5	3	4	8	4	5	5	6	6	7	10	5	68
Divorced.....	..	3	1	..	..	..	..	..	1	..	1	..	6
<i>Color. —</i>													
Whites	144	113	133	144	150	116	178	161	184	166	169	175	1,833
Colored	9	4	8	13	10	7	11	19	4	7	6	7	105
<i>Nativity. —</i>													
United States.....	123	94	101	124	121	97	150	145	149	136	137	134	1,511
Ireland.....	19	14	28	26	25	16	31	24	29	24	22	34	292
England and Scotland.....	8	3	9	5	12	9	4	7	4	9	7	6	83
Germany .....	..	2	2	..	..	..	3	2	2	1	4	2	18
British America.....	3	2	1	1	..	1	1	1	1	1	4	6	22
Portugal and West'n Islands .....	..	..	..	1	..	..	..	1	1	..	..	..	3
Other countries.....	..	2	..	..	2	..	..	..	2	2	1	..	9
<i>Parentage. —</i>													
American	79	58	60	71	68	68	84	90	78	80	90	82	908
Irish.....	50	39	52	68	61	39	65	60	84	70	57	74	719
English and Scotch.....	15	11	17	11	22	10	19	18	12	11	16	15	177
German:.....	1	3	6	2	2	1	7	6	4	5	5	2	44
British American.....	6	3	3	1	3	3	10	4	2	2	6	9	52
Portuguese	1	..	3	2	1	1	3	2	3	..	..	..	16
Other foreign.....	1	3	..	2	3	1	1	..	5	5	1	..	22
<i>Locality, Wards. —</i>													
I.....	16	21	20	25	25	25	27	19	32	25	23	29	287
II.....	7	1	4	2	11	6	4	9	5	3	4	11	67
III.....	14	10	15	7	10	10	33	14	19	26	16	21	195
IV.....	9	12	6	10	10	4	11	9	8	9	11	13	112
V.....	17	10	16	16	7	12	16	14	16	20	12	13	169
VI.....	12	5	7	12	13	8	11	12	16	10	9	6	121
VII.....	19	6	6	18	6	10	13	19	18	14	18	14	161
VIII.....	12	11	18	14	17	9	15	14	17	9	18	18	172
IX.....	20	17	18	18	18	14	27	25	19	23	24	20	243
X.....	20	17	22	33	35	22	24	34	30	30	34	32	333
Public Institutions.....	7	7	9	2	8	3	8	11	8	4	6	5	78
Totals.....	153	117	141	157	160	123	189	180	188	173	175	182	1,938

Season. As usual the largest number of deaths was in the third quarter of the year ; the smallest number, though very gen-

erally in the second quarter, was in 1877, as in the preceding year, in the first quarter. The number of deaths in each quarter of the year 1877, and of each of the five years preceding, is given below ; also the quarterly aggregate and average numbers for the twenty-two years, 1855-1876 inclusive :—

	1877.	1876.	1875.	1874.	1873.	1872.	22 years 1855-1876. Aggr'te. Av'ge.
January-March.....	411	383	488	444	427	330	6,567....299
April-June.....	440	419	401	501	407	364	6,046....275
July-September.....	557	573	531	556	504	518	8,276....376
October-December.....	530	490	495	486	381	391	6,648....302
Whole year.....	1,938	1,865	1,915	1,987	1,719	1,603	27,537..1,252

The number and percentage in each quarter of each year, 1855-1877, were as follows :—

	January-March.		April-June.		July-Sept.		Oct.-Dec.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1855.....	213	21.49	208	20.99	339	34.21	231	23.31
1856.....	308	28.92	244	22.91	296	27.80	217	20.37
1857.....	214	23.14	173	18.70	286	30.92	252	27.24
1858.....	279	27.43	278	27.34	257	25.27	203	19.96
1859.....	213	23.69	205	22.80	270	30.04	211	23.47
1860.....	243	24.27	209	20.88	297	29.67	252	25.18
1861.....	240	22.84	236	22.45	336	31.97	239	22.74
1862.....	197	21.55	192	21.01	271	29.65	254	27.79
1863.....	287	23.64	248	20.43	370	31.14	301	24.79
1864.....	302	23.58	273	21.31	403	31.46	303	23.65
1865.....	299	24.69	240	19.82	372	30.72	300	24.77
1866.....	238	22.97	218	21.04	338	32.63	242	23.36
1867.....	258	26.88	202	21.04	286	29.79	214	22.29
1868.....	231	20.81	244	21.98	346	31.17	289	26.04
1869.....	331	26.35	250	19.90	363	28.91	312	24.84
1870.....	331	26.20	271	21.46	371	29.37	290	22.97
1871.....	311	24.80	263	20.98	385	30.70	295	23.52
1872.....	330	20.59	364	22.71	518	32.31	391	24.39
1873.....	427	24.84	407	23.68	504	29.32	381	22.16
1874.....	444	22.35	501	25.21	556	27.98	486	24.46
1875.....	488	25.48	401	20.94	531	27.73	495	25.85
1876.....	383	20.54	419	22.47	573	30.72	490	26.27
1877.....	411	21.21	440	22.70	557	28.74	530	27.35

The number and percentage of deaths in each quarter of the year 1877, and in the aggregate for the twenty-two years, 1855-1876 inclusive, were as follows :—

	1877.		23 years, 1855-1876.	
	Deaths.	Per cent.	Deaths.	Per cent.
January-March.....	411.....	21.21.....	6,567.....	23.85
April-June.....	440.....	22.70.....	6,046.....	21.96
July-September.....	557.....	28.74.....	8,276.....	30.05
October-December	530.....	27.35.....	6,648.....	24.14
	<hr/> 1,938	<hr/> 100.00	<hr/> 27,537	<hr/> 100.00

It is a well established fact that the highest percentage of mortality is in the third quarter of the year ; and almost as general a rule that the lowest percentage is in the second quarter, though there are more exceptions to the latter, occasioned by the prevalence of epidemic diseases at certain seasons of some years. In 1856, scarlatina, croup, and pneumonia prevailed in the first and second quarters of the year, making the percentages at those seasons larger than usual. In 1858, scarlatina and measles prevailed, and caused the same deviation from the general rule. The large percentage in the second quarter of 1874, was caused by many deaths from scarlet fever, and from consumption, pneumonia, and congestion of the lungs. In the year 1877, the percentages in the different quarters of the year follow the general rule, that of the third quarter being the largest ; it is, however, not so large as that of 1876 ; while in each of the other quarters the percentage is more than in the preceding year. The percentage of the last quarter in 1877 is larger than in any previous year, except 1862, owing to the large number of deaths from diphtheria.

Sex and Parentage. The decedents in 1877 were divided, as to sex and parentage, as follows : —

American parentage.....	410 males.....	498 females.....	Total, 908
Foreign parentage.....	512 males.....	518 females.....	Total, 1,030
Total.....	922 males.....	1,016 females.....	Total, 1,938

The number of female decedents was 94 more than of males ; of this excess of females, 88 were of American parentage, and 6 were of foreign parentage. It has been quite a general rule that among the latter class, the males have exceeded the females ; but in 1876 and in 1877, the reverse was true.

The decedents of both classes during the twenty-three years, 1855-1877 inclusive, were divided, as to sex, as follows : —

1855-1877.....	Males, 14,454....	Females.....	15,021....	Total, 29,475
----------------	-------------------	--------------	------------	---------------

Condition. A comparison of the decedents in the various classes of civil condition with those of 1876, shows the following differences : married, 76 more than in the preceding year ; single, 40 more ; widows, 33 less ; widowers, 7 less ; divorced, 3 less.

Color. The number of deaths among the whites in 1877, was 78 more than in 1876 ; among the colored population, 5 less.

The number of births among the colored in 1877, was 104, or 4 less than in the year previous ; proportion of births to deaths in 1877, 100 to 100.9.

In the twenty-three years, 1855–1877, there have been, among our colored population, 1,639 births and 1,735 deaths ; a proportion of 105.8 deaths to each 100 births.

Nativity and Parentage. Table XII shows a great difference between the number of decedents registered according to nativity, and those registered according to parentage. It is an important distinction in these statistics, as very many of those who are born in the United States, are yet, as children of foreign parents, subject to the same social and hygienic conditions and influences as the class more strictly called foreign, because born in other countries. The number of decedents of American birth was 1,511, or 77.97 per cent. of the whole number ; but the number of American parentage was only 908, or 46.85 per cent. of all ; the number of foreign nativity was 427, or 22.03 per cent. ; the number of foreign parentage, 1,030, or 53.15 per cent. Of the 9 born in other countries than those named in the table, 3 were born in France ; 2, in Italy ; 2, in Sweden ; 1, in Greece, and 1, in the West Indies.

Of the 22 of “ other foreign ” parentage, 6 were of French parentage ; 5, of Italian ; 4, of Swedish ; 2 each, of Swiss and Polish ; and 1 each of Greek, African, and West Indian parentage.

Locality. Table XII gives the number of deaths in each ward, and in public institutions, in each month and in the whole year. The number in the first ward was 62 more than in 1876 ; in the second ward, 6 less ; in the third, 11 less ; in the fourth, 23 more ; in the fifth, 3 more ; in the sixth, 7 more ; in the seventh, 28 more ; in the eighth, 10 less ; in the ninth, 68 less ; in the tenth, 52 more ; in public institutions, 7 less ; summing up these numbers, we find that in the first, fourth, fifth, sixth, seventh, and tenth wards, collectively, the number of deaths was 175 more than in 1876 ; in the second, third, eighth, and ninth wards, and

decedents of American parentage was greater than in the corresponding months of 1876, namely, January, February, April, June, and September; in the other seven months of the year, the average age was less than in 1876. As to the decedents of foreign parentage, there were also five months in 1877 when the average age was greater than in 1876; they were May, July, August, November, and December; in the remaining seven months of the year, the average age was less than in the preceding year.

Table XIV is a recapitulation, and gives these same statistics for the period of twenty-two years, 1856-1877 inclusive:—

TABLE XIV. DEATHS, TWENTY-TWO YEARS, 1856-1877.

Recapitulation. Aggregate and Average Age by Parentage.

A careful examination of these two tables will show many differences between the average age of American decedents, and that of foreign decedents in the different months. In the statistics for 1877 (Table XIII) we find the highest average age of decedents of American parentage is 42.01 years, in January; the lowest average age, 23.74 years, in July. Among the decedents of foreign parentage, the highest average age is 28.20 years in December; the lowest, 19.79 years in July. In every month the average age of the foreign decedents is less than that of the American, the greatest difference being in January, when it is

16.78 years. The least difference between the two classes is in August, when the average age of the foreign decedents is 0.90 of one year less than that of the American. The difference between them in the whole year is 6.55 years.

In the statistics for a longer period, as given in Table XIV, the differences are equally marked ; here also the average age of the decedents of foreign parentage is uniformly less than that of the Americans. The highest average age of American decedents is 36.57 years in December ; the lowest, 25.88 years in July. Of foreign decedents, the highest average age is 25.64 years in April ; the lowest, 18.09 years in August. Thus the highest average age of the foreign decedents is less than the lowest average among those of American parentage. In the long period the greatest difference between the two classes is in February, where it is 12.23 years ; the least difference, 7.56 years in July.

Taking the same months in the single year and in the long period of years, we can see many variations. These may be best shown by putting the figures in the form of a table, it being remembered that in every case, the average age of the decedents of foreign parentage was less than that of American decedents : —

Difference in years, between the average age of American and foreign decedents.

MONTHS.	1877.			22 years, 1856-1877.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January.....	42.01	25.23	16.78	34.43	25.14	9.29
February... ..	35.60	25.91	9.69	34.34	22.11	12.23
March.....	35.20	26.48	8.72	35.20	24.18	11.02
April... ..	37.76	25.48	12.28	34.00	25.64	8.36
May.....	35.71	26.92	8.79	36.53	25.54	10.99
June.....	31.18	26.84	5.34	34.25	23.85	10.40
July.....	23.74	19.79	3.95	25.88	18.32	7.56
August.....	26.17	25.27	0.90	27.17	18.09	9.08
September.....	28.74	20.32	8.42	29.27	18.82	10.45
October....	23.84	22.41	1.43	33.16	23.00	10.16
November... ..	30.11	26.28	3.83	33.41	25.36	8.05
December.....	29.51	28.20	1.31	36.57	25.22	11.35
Whole year.....	31.22	24.67	6.55	32.66	22.59	10.07

As a rule, the difference is greater in the long period than in the single year ; January and April being the only exceptions. In the month of August, the difference in 1877 was but the fraction of a year, but in the period of years, it was 9.08 years. A

DEATHS: AGGREGATE AND AVERAGE AGE. III

still greater contrast is in the month of December, when in 1877 the difference between the two classes was 1.31 years, while in the long period it was 11.35 years.

The largest monthly aggregate of deaths was in August, and the smallest in June, among both classes of decedents. The percentages in the different quarters for the entire period of twenty-two years were as follows:—

	1st quarter.	2d quarter.	3d quarter.	4th quarter.
American parentage.....	25.25.....	22.53.....	27.76.....	24.46.....
Foreign parentage.....	22.25.....	21.54.....	31.89.....	24.32.....

Table XV gives the number of decedents, and the aggregate and average age, according to parentage, in each of the twenty-two years, 1856-1877, and for the entire period:—

TABLE XV. DEATHS, 1856-1877.

Recapitulation. Aggregate and average age by parentage.

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.	
	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.		
1856.....	541	14,554	26.90	524	8,258	15.75		
1857.....	523	16,314	31.19	402	8,007	19.91		
1858.....	512	15,910	31.07	505	8,478	16.78		
1859.....	479	14,993	31.30	420	8,640	20.57		
1860.....	512	16,060	32.54	489	9,751	19.94		
1861.....	539	16,327	30.34	513	9,605	18.72		
1862.....	460	14,580	31.71	454	10,994	24.21		
1863.....	507	19,388	32.49	617	13,757	22.29		
1864.....	649	21,732	33.48	632	11,365	17.98		
1865.....	631	19,828	31.10	580	11,991	20.67		
1866.....	513	18,906	36.85	523	12,762	24.40		
1867.....	528	19,258	36.47	432	12,149	28.12		
1868.....	596	21,770	36.54	514	12,539	24.39		
1869.....	627	20,490	32.68	629	14,776	23.49		
1870.....	642	21,078	32.83	621	14,893	23.18		
1871.....	643	22,725	35.34	611	17,005	27.83	1	31.68
1872.....	832	27,572	33.14	771	19,160	24.88	1,603	29.15
1873.....	862	28,675	33.27	857	19,061	22.24	1,719	27.77
1874.....	885	27,588	31.17	1,102	24,802	22.51	1,987	26.37
1875.....	914	30,419	33.28	1,001	24,302	24.28	1,915	28.57
1876.....	875	29,025	33.17	990	23,950	24.20	1,865	28.41
1877.....	908	28,353	31.22	1,030	25,410	24.67	1,938	27.74
22 yrs' total,	13,267	465,973	32.66	14,217	321,164	22.59	28,484	27.63

The difference between the two classes ranges from 6.55 years in 1877, to 15.50 years in 1864. The difference in the whole period is 10.07 years.

Number and percentage of decedents at different ages. In Table XVI are given the number and percentage of decedents, according to parentage, in each division of ages, in 1877 ; and the same statistics for the whole number of decedents during the twenty-two years, 1856-1877 :—

TABLE XVI. DEATHS, 1877.

Percentage at different ages, according to parentage.

AGES.	American Parentage. 1877.		Foreign Parentage. 1877.		Total American and Foreign. 1877.		22 Years, 1856 to 1877.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
Under 1 year.....	162	17.84	203	19.71	365	18.83	5,639	19.79
1 to 2.....	54	5.95	87	8.44	141	7.28	2,571	9.03
2 to 5.....	83	9.14	135	13.11	218	11.25	2,556	8.97
Total under 5.....	299	32.93	425	41.26	724	37.36	10,766	37.79
5 to 10.....	69	7.60	62	6.02	131	6.76	1,363	4.78
10 to 15.....	19	2.09	20	1.94	39	2.01	577	2.03
15 to 20.....	17	1.87	34	3.30	51	2.63	976	3.43
20 to 30.....	80	8.81	109	10.58	189	9.75	2,910	10.22
30 to 40.....	70	7.71	86	8.35	156	8.05	2,624	9.21
40 to 50.....	70	7.71	78	7.57	148	7.64	2,218	7.79
50 to 60.....	74	8.15	62	6.02	136	7.02	2,036	7.15
60 to 70.....	84	9.25	70	6.80	154	7.95	1,992	6.99
70 to 80.....	87	9.58	62	6.02	149	7.69	1,853	6.51
80 to 90.....	35	3.86	17	1.65	52	2.68	969	3.40
90 and over.....	4	.44	5	.49	9	.46	200	.70
Total.....	908	100.00	1,030	100.00	1,938	100.00	28,484	100.00

The percentage of deaths of children under 5 years of age, in 1877, was less in both classes of decedents, than in 1876 ; of those of American parentage, 1.36 per cent. less ; of foreign parentage, 1.87 per cent. less ; of the whole number, 1.62 per cent. less.

The following statement is a recapitulation of these statistics for each of the twenty-two years, 1856-1877 inclusive :—

DEATHS: AGES, PERCENTAGE, AND PARENTAGE. 33

	American. Under five years.	Foreign. Under five years.	Total American and Foreign. Under five years.
1856.....	37.15 per cent.....	54.95 per cent.....	45.91 per cent.
1857.....	32.31 per cent.....	51.74 per cent.....	40.75 per cent.
1858.....	35.35 per cent.....	55.44 per cent.....	45.33 per cent.
1859.....	28.60 per cent.....	48.34 per cent.....	37.82 per cent.
1860.....	32.81 per cent.....	48.87 per cent.....	40.66 per cent.
1861.....	35.87 per cent.....	52.63 per cent.....	44.05 per cent.
1862.....	31.08 per cent.....	42.07 per cent.....	36.54 per cent.
1863.....	28.47 per cent.....	46.84 per cent.....	37.81 per cent.
1864.....	28.81 per cent.....	51.11 per cent.....	39.82 per cent.
1865.....	29.95 per cent.....	46.37 per cent.....	37.82 per cent.
1866.....	23.78 per cent.....	40.53 per cent.....	32.24 per cent.
1867.....	24.05 per cent.....	36.35 per cent.....	29.59 per cent.
1868.....	27.35 per cent.....	43.19 per cent.....	34.69 per cent.
1869.....	30.78 per cent.....	43.24 per cent.....	37.02 per cent.
1870.....	31.00 per cent.....	42.67 per cent.....	36.72 per cent.
1871.....	28.62 per cent.....	36.01 per cent.....	32.22 per cent.
1872.....	30.89 per cent.....	40.00 per cent.....	35.27 per cent.
1873.....	30.39 per cent.....	43.05 per cent.....	36.71 per cent.
1874.....	34.02 per cent.....	43.55 per cent.....	39.31 per cent.
1875.....	32.06 per cent.....	40.96 per cent.....	36.66 per cent.
1876.....	34.29 per cent.....	43.13 per cent.....	38.98 per cent.
1877.....	32.93 per cent.....	41.26 per cent.....	37.36 per cent.

In the thirty-eight years, 1840–1877 inclusive, there have been, in Providence, 41,629 decedents, of whom 16,501 were less than 5 years old ; the number and percentage at each age under 5 years, were as follows :—

Whole number of decedents.....	41,629
Under one year.....	8,144, or 19.56 per cent. of all.
One, and under two.....	4,354, or 10.46 per cent. of all.
Two, and under five.....	4,003, or 9.62 per cent. of all.
Total, under five.....	16,501, or 39.64 per cent. of all.

Table XVII is a recapitulation, and shows the number and percentage of decedents at different ages, according to parentage, in the period of twenty-two years, 1856–1877 :—

3.25 below. Of those who lived beyond the age of fifty years, the percentage of American parentage in 1877 was 31.28, or 0.55 per cent. below the average ; the percentage of foreign parentage, was 20.98, or 3.33 per cent. above the average. This accords with facts to be obtained from Tables XIII and XIV, namely, that the average age of all decedents of American parentage in 1877, was 1.44 years below the average age of that class for the period of the twenty-two years, 1856–1877 ; and the average age of all foreign decedents in 1877 was 2.08 years above the average for the same period.

Deaths by age and parentage in each month and quarter of the year. Table XVIII shows the number of deaths at each age, and of all ages, in each month and quarter of the year 1877 ; the statistics being given according to parentage. From it may be seen at what season of the year occurred the greatest mortality in the different classes. The number of deaths in 1877 was 1,938 ; of American parentage, 908 ; of foreign parentage, 1,030 ; distributed through the year as follows :—

	1st quarter.	2d quarter.	3d quarter.	4th quarter.
American parentage.....	21.70.....	22.80.....	27.75.....	27.75
Foreign parentage.....	20.78.....	22.62.....	29.61	26.99

As has already been mentioned, the greatest mortality is in the third quarter of the year ; from the above statement it will be seen that it is greater at that season among those of foreign than of American parentage ; the same was true of a longer period of time, as shown in the percentages given on page 31 in the remarks upon Table XIV. In 1877 it was quite remarkable that of the decedents of American parentage, the percentage in the fourth quarter was exactly the same as in the third. In the third quarter, the number of deaths in this class was 252 ; of this number, 74, or 29.37 per cent., were less than one year old ; this is 3.30 per cent. less of the same age than in 1876. Of the 162 children of American parentage under one year old who died in 1877, the 74 who died in the third quarter were 45.68 per cent., which is 4.62 per cent. less than in the preceding year. It is always the case that there is great mortality among very young children at this season of the year ; in 1877 there was also a larger percentage of deaths than usual of children in the fourth quarter of the year ; the number of decedents of American parentage in the fourth quarter was

TABLE XVIII. *Deaths by age and parentage in each month, 1877.*

AMERICAN TARENTAGE.		Dr	Cr
Jan			
Feb			
Mar			
1st			
Apr			
May			
Jun			
2d			
Jul			
Aug			
Sep			
3d			
Oct			
Nov			
Dec			
4th			
WI			

TABLE XIX. CONTINUED. DEATHS, 1877. Disease, sex, age, parentage, and percentage from each cause.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.												PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.			
	Males.	Females.	Total.	Under 1 Year.	1 and 2 under 2.	2 and 5 under 5.	5 and 10 under 10.	10 and 15 under 15.	15 and 20 under 20.	20 and 30 under 30.	30 and 40 under 40.	40 and 50 under 50.	50 and 60 under 60.	60 and 70 under 70.	70 and 80 under 80.	80 and under 80.	80 and over.		American.	Foreign.	Total.
Colic.....	2	1	3	...	...	...	...	...	...	...	1	1	...	...	1	...	...	1	2	3	.16
Consumption.....	127	167	294	4	1	2	4	5	25	106	49	40	32	19	7	...	...	116	178	294	15.22
Convulsions.....	18	20	38	28	5	3	2	...	...	...	...	...	...	...	...	...	...	16	22	38	1.97
Croup.....	18	22	40	7	7	20	6	...	...	...	...	...	...	...	...	...	...	14	26	40	2.07
Chorea.....	...	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	1	.05
Debility.....	9	7	16	14	...	...	...	...	...	...	...	...	1	1	...	...	...	11	5	16	.83
Premature Birth.....	7	3	10	10	...	...	...	...	...	...	...	...	...	...	...	...	...	5	5	10	.52
Diabetes.....	4	2	6	...	...	...	...	...	...	1	...	2	...	3	...	...	...	4	2	6	.31
Diarrhoea.....	11	18	29	15	3	2	...	...	...	1	...	1	...	2	4	1	...	11	18	29	1.50
Chronic.....	1	4	5	...	...	...	...	...	...	1	...	1	...	1	1	...	...	4	1	5	.26
Diphtheria.....	146	149	295	13	44	135	84	14	2	...	2	1	...	...	...	...	...	129	166	295	15.27
Dropsy.....	2	3	5	...	...	...	...	...	...	...	1	1	1	...	2	...	...	2	3	5	.26
Dysentery.....	9	12	21	6	2	...	...	...	...	...	...	3	2	4	3	1	...	12	9	21	1.09
Enteritis.....	11	10	21	8	1	...	...	...	...	2	1	3	1	2	2	1	...	9	12	21	1.09
Epilepsy.....	3	6	9	1	...	...	...	1	1	...	...	2	1	2	1	...	...	7	2	9	.47
Erysipelas.....	3	4	7	5	...	1	...	...	...	...	...	...	...	...	1	...	...	4	3	7	.36
Fever, Malarial.....	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	1	.05
Typhoid.....	20	23	43	...	...	2	3	5	5	13	3	5	4	3	...	...	...	22	21	43	2.22
Gangrene, Senile.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	1	.05
Glanders.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	.05
Heart, Diseases of.....	41	44	85	...	...	...	3	3	3	6	10	10	13	17	14	6	...	49	36	85	4.40
Hypertrophy of.....	6	2	8	...	...	...	...	...	...	...	1	1	3	2	1	...	...	4	4	8	.41
Hemorrhage.....	6	3	9	6	...	...	...	...	1	...	1	...	...	...	1	...	...	6	3	9	.47
Hip Joint, Disease of.....	3	2	5	...	...	...	...	2	...	1	1	...	...	1	...	...	...	1	4	5	.26
Hooping Cough.....	5	11	16	8	5	3	...	...	...	...	...	...	...	...	...	...	...	4	12	16	.83
Hydrocephalus.....	8	13	21	6	3	7	3	...	1	1	...	...	...	...	...	...	...	12	9	21	1.09
Hydrophobia.....	1	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	1	.05

TABLE XX. CONTINUED. DEATHS, 1877. Season and Disease.

CAUSES OF DEATH.	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.	October.	November.	December.	Fourth Quarter.	Whole Year.
Paralysis.....	1	...	...	1	4	1	4	9	3	3	...	6	1	4	3	8	24
Peritonitis.....	...	2	1	3	1	...	2	3	...	...	1	1	1	2	...	3	10
Pneumonia and Congestion of Lungs...	16	13	11	39	10	8	4	32	3	1	6	10	10	7	10	27	98
Scarlatina.....	3	...	...	3	2	...	1	3	...	...	...	...	...	4	2	6	12
Suicide.....	1	2	1	4	...	1	2	3	...	1	...	...	...	1	1	2	12
Teething.....	1	...	...	1	...	...	...	...	1	1	2	2	1	2	1	4	7
Unknown.....	1	1	...	2	1	...	1	2	...	...	...	1	...	...	1	1	6
Other causes as given.....	25	14	17	56	21	18	10	49	19	21	19	59	18	8	26	52	216
Total	153	117	141	411	157	160	123	440	189	180	188	537	173	175	182	530	1,938

was just half as many as in 1876. Those specified are one psoas abscess, and one each of the pelvis and the perinæum. The decedents were 3 males, and one female; 2 of American and 2 of foreign parentage. The statistics for the 22 years, 1856–1877, are as follows:—

Number of deaths from all known causes, 27,976.

From abscesses: males, 44; females, 37; total, 81, or 0.29 per cent. of all.

American parentage, 36; foreign parentage, 45.

Accidents. The number of deaths from accidents of all kinds, in 1877, was 56; three more than in 1876, and 2.90 per cent. of all from known causes. Of these, there were specified in the tables, 13 from burns and scalds; 5 from drowning; 13 from falls; 2 from poisoning; and 5 railway accidents; 18 more were from various causes, not named in the tables; some of these from various causes were as follows: two died of asphyxia, caused in one case by a gas stove; the other, not specified; three were run over by wagon or dray; one was kicked by a horse; one killed while coasting; one by a blow on the head, from a crank, and five from injuries received at or before birth. Of those from burns and scalds, two were from the breaking or explosion of a kerosene lamp; two from the upsetting of a tea-pot, and of two the record is the "clothes caught fire." Of the falls, 3 were "down stairs"; 2, "into the hold of a vessel"; 2, "fall of staging"; 2, "falling of a bank of earth." Of those by poisoning, one was by morphine, and one by spirits of ammonia. Of the five deaths by railway accidents, two were run over by the cars, and three were hit by the cars, or by a railroad bridge.

The statistics of sex and parentage are as follows:—

Males, 42; females, 14; total, 56, or 2.90 per cent. of all.

American parentage, 21; foreign parentage, 35.

For the twenty-two years, 1856–1877:—

Males, 617; females, 198; total, 815, or 2.91 per cent. of all.

American parentage, 324; foreign parentage, 491.

Aneurism. Four males, one of American, and 3 of foreign parentage, died from aneurism in 1877; in two cases, it was of the aorta, and in one, aneurism of the left carotid; one, not specified; the four were 0.21 per cent. of all deaths from known causes.

For the twenty-two years, 1856-1877, the statistics of Aneurism are :—

Males, 16; females, 3; total, 19, or 0.07 per cent. of all.
American parentage, 8; foreign parentage, 11.

Apoplexy. This was returned as the cause of 50 deaths in 1877; 6 more than in 1876, and 2.59 per cent. of the whole number from known causes. Males, 25; females, 25; American parentage, 32; foreign, 18. (Vide "Paralysis.")

The statistics in regard to apoplexy for the twenty-two years, 1856-1877, are as follows :—

Males, 276; females, 302; total, 578, or 2.07 per cent. of all.
American parentage, 416; foreign parentage, 162.

Brain, Diseases of. There were 82 deaths in 1877 from various diseases of the brain; 9 were specified as "congestion," and 51 as "inflammation"; many of the others were "softening of the brain." The particulars are :—

Males, 44; females, 38; total, 82, or 4.25 per cent. of all.
American parentage, 45; foreign parentage, 37.

For the twenty-two years, 1856-1877 :—

Males, 601; females, 496; total, 1,097, or 3.92 per cent. of all.
American parentage, 586; foreign parentage, 511.

Bronchitis. The number of deaths from bronchitis in 1877 was 44, or 2.27 per cent. of all from known causes. Males, 21; females, 23; American parentage, 25; foreign, 19.

The statistics for the twenty-two years, 1856-1877, are as follows :—

Males, 142; females, 180; total, 322, or 1.15 per cent. of all.
American parentage, 145; foreign parentage, 177.

Cancers. The number of deaths from cancers in 1877, was 66; 13 more than in 1876, and 3.41 per cent. of all from known causes. As usual, by far the greater number of decedents were females, namely, 54 females and 12 males; of American parentage, 37; of foreign parentage, 29. In the tables there are specified, 18 from cancer of the breast; 15 from cancer of the stomach, and 12 from cancer of the uterus; besides these there

were 6 from cancer of the liver ; 3, from cancer of the rectum ; 2, of epithelial cancer, and one death each from cancer of the lip, jaw, mouth, throat, bladder, bowels, and right axilla ; and three were not specified.

The statistics of deaths from cancer for twenty-two years, 1856-1877, are : —

Males, 163; females, 484; total, 647, or 2.31 per cent. of all.

American parentage, 435; foreign parentage, 212.

Childbirth. There were 17 deaths in 1877 from childbirth ; 0.87 per cent. of all from known causes, and 0.68 per cent. of the 2,516 of mothers bearing children in 1877. Of these seventeen deaths, 2 were from puerperal convulsions, and 7 from puerperal fever. The decedents were 7 of American, and 10 of foreign parentage.

In the twenty-two years, 1856-1877, the number of deaths from childbirth were 338, or 1.21 per cent. of all from known causes, and 0.83 per cent. of the 40,746 mothers who bore children during that period. The number of American mothers was 18,937 ; of these, 143, or 0.75 per cent., have died ; the number of mothers of foreign parentage was 21,809, of whom 195, or 0.89 per cent., have died.

Cholera Infantum. The number of deaths from this cause in 1877 was 122 ; the same number as in 1876, and 6.31 per cent. of all from known causes. There were 97 decedents under one year old ; 21 between one and two, and four between two and five. Males, 70 ; females, 52 ; of American parentage, 43 ; of foreign parentage, 79.

The statistics are as follows, for each of the twenty-two years, 1856-1877 inclusive, and for the whole period : —

	SEX.		PARENTAGE.		Whole	Percentage.
	Males.	Females.	American.	Foreign.	Number.	
1856.....	35.....	22.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	26.....	24.....	50.....	5.56
1858.....	27.....	22.....	13.....	36.....	49.....	4.92
1859.....	14.....	19.....	13.....	20.....	33.....	3.80
1860.....	35.....	33.....	26.....	42.....	68.....	7.09
1861.....	29.....	32.....	25.....	36.....	61.....	6.02
1862.....	25.....	19.....	17.....	27.....	44.....	4.98
1863.....	36.....	30.....	19.....	47.....	66.....	5.56
1864.....	29.....	29.....	18.....	40.....	58.....	4.63
1865.....	20.....	30.....	13.....	37.....	50.....	4.21
1866.....	30.....	17.....	15.....	32.....	47.....	4.64
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	38.....	32.....	22.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.24
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.00
1872.....	72.....	79.....	58.....	93.....	151.....	9.56
1873.....	42.....	50.....	39.....	53.....	92.....	5.41
1874.....	72.....	62.....	44.....	90.....	134.....	6.83
1875.....	62.....	74.....	50.....	86.....	136.....	7.18
1876.....	66.....	56.....	43.....	79.....	122.....	6.59
1877.....	70.....	52.....	43.....	79.....	122.....	6.31
22 years' totals..	866.....	813.....	613.....	1,066.....	1,679.....	6.00

Consumption. There were 294 deaths from consumption in 1877 ; 15.22 per cent. of all from known causes. This was 10 more deaths than in 1876, but 0.12 per cent. less. But it is the first time since the beginning of these reports that the deaths from consumption have not exceeded, and generally, largely exceeded, those from any other cause ; the numbers for 1877 show just one more death from diphtheria than from consumption. The decedents from consumption were divided as follows as to sex and parentage : —

American parentage.....	males, 51.....	females, 65.....	total, 116
Foreign parentage.....	males, 76.....	females, 102.....	total, 178
—			
Total.....	males, 127.....	females, 167.....	total, 294

For the twenty-two years, 1856–1877, the statistics are as follows : —

Whole number, 4,770, or 17.05 per cent. of all.			
American parentage.....	males, 1,002....	females, 1,339....	total, 2,341
Foreign parentage.....	males, 1,159....	females, 1,270....	total, 2,429
—			
Total.....	males, 2,161....	females, 2,609....	total, 4,770
Males, 45.30 per cent.....females, 54.70 per cent.			
American parentage, 49.08 per cent....foreign parentage, 51.92 per cent.			

Estimating the population of the city in the middle of the year 1877 at 100,675, we find the death-rate from consumption to be one in 342 of the population, or 2.92 deaths to each thousand persons; in 1876, the death-rate was one in 357, or 2.80 in each thousand. The average annual rate for the fifteen years, 1840–1854 inclusive, was one in 209.9, and for the twenty-three years, 1855–1877, one in 300.2.

By periods of 5 years, from 1840 to 1874 inclusive, and for the whole period of 35 years, the deaths from consumption in Providence were as follows :—

	Deaths from consumption.	Per cent. of all from known causes.
1840–1844.....	745.....	26.58
1845–1849.....	761.....	19.60
1850–1854.....	958.....	21.45
1855–1859.....	930.....	19.57
1860–1864.....	997.....	18.82
1865–1869.....	1,009.....	18.43
1870–1874.....	1,174.....	15.17
1840–1874, 35 years.....	6,574.....	19.09

The deaths in each of the last eight years have been :—

	Number.	Per cent.
1870.....	238.....	19.06
1871.....	194.....	15.66
1872.....	241.....	15.26
1873.....	231.....	13.57
1874.....	270.....	13.76
1875.....	299.....	15.79
1876.....	284.....	15.34
1877.....	294.....	15.22

The number and percentage of the decedents from consumption, in each division of age, were as follows for the year 1877, and for the period of 22 years, 1856 to 1877 inclusive :—

known causes. All but two of the decedents were less than one year old. Number of males, 16 ; females, 10 ; of American parentage, 16 ; of foreign parentage, 10.

The statistics for the twenty-two years, 1856–1877, are : —

Males, 267; females, 236; total, 503, or 1.80 per cent. of all.

American parentage, 201; foreign parentage, 302.

Diarrhœa and Dysentery. The number of deaths from these diseases in 1877, was as follows : acute diarrhœa, 29 ; chronic diarrhœa, 5 ; dysentery, 21 ; total, 55, or 2.85 per cent. of all from known causes. The number of deaths was seven less than in 1876 ; the per cent., 0.50 less. The number of males in 1877, 21 ; of females, 34 ; of American parentage, 27 ; of foreign parentage, 28. It is quite unusual to find the two classes of decedents so nearly equal ; those of foreign parentage being generally considerably in excess of those of American parentage.

In this connection may be given the following statistics concerning diseases of a similar nature : Deaths from *Cholera Infantum*, 122 ; from *Cholera Morbus*, 6 ; from *Enteritis*, 21 ; these combined with the numbers given above for *Diarrhœa* and *Dysentery* make the total of deaths from diarrhœal diseases as follows :

Males, 106; females, 98; total, 204, or 10.56 per cent. of all.

American parentage, 80; foreign parentage, 124.

The number of deaths is 2 less than in 1876, and the per cent. 0.57 less. The statistics for these five diseases for the twenty-two years, 1856–1877, are as follows : —

Whole number of deaths, 3,365; annual average, 153.

Males, 1,688; females, 1,677; total, 3,365, or 12.03 per cent. of all.

American parentage, 1,359; foreign parentage, 2,006.

It will be seen how large a majority of these decedents are of foreign parentage, the proportion being 148 of this class to each 100 of American parentage ; or 59.61 of foreign and 40.39 of American parentage in each 100 decedents. There are one or two facts which serve to explain this ; the mortality from these diseases is always largely among young children ; from Table XIX it may be seen that 155 of the decedents in 1877, or nearly 76 per cent., were children under two years of age. The number of children of foreign parentage is considerably larger than the number of American parentage. In the twenty-two years,

The number of deaths from known causes in the thirty-eight years, 1840–1877, was 40,119.

Deaths from Asiatic cholera are not included in these statistics. They have been as follows: in 1849, 158; in 1854, 159; in 1866, 14; total, 331.

Diphtheria. In the report of 1876, it was stated that this disease prevailed, in that year, to an extent never before known in Providence, and caused 111 deaths, or 6.00 per cent. of all from known causes; males, 53; females, 58; American parentage, 43; foreign, 68. But in 1877 these numbers were much more than doubled, the statistics being as follows:—

Males, 146; females, 149; total, 295, or 15.27 per cent. of all.
American parentage, 129; foreign parentage, 166.

These deaths were distributed through the year, as follows: 1st quarter, 15.93 per cent.; 2d, 23.73 per cent.; 3d, 20.34 per cent.; 4th, 40.00 per cent. In the different wards of the city the deaths were:—

I.....	62	VII.....	29
II.....	8	VIII.....	11
III.....	34	IX.....	38
IV.....	20	X.....	56
V.....	24		—
VI.....	13	Total.....	295

As in previous years, the mortality was largely among children, 276 of the decedents, or 93.56 per cent., being less than ten years old. The first cases of diphtheria reported in Providence, were in 1858; for the twenty years, 1858–1877, the statistics are as follows:—

Decedents from all known causes in 20 years, 26,048.
From diphtheria, 740; annual average, 37.
Males, 361; females, 379; total, 740, or 2.84 per cent. of all.
American parentage, 368; foreign parentage, 372.

The 295 deaths from diphtheria in 1877 are eight times the annual average, and comprise 39.86 per cent. of the number from this disease in the whole period of twenty years. In the following table, are given the statistics as to sex, parentage, season, and locality, for each of the twenty years, 1858–1877, and for the entire period:—

The subject of the connection of season with the mortality from diphtheria is exceedingly interesting and important of itself, and still more so when the mortality from this disease is compared with that of scarlatina and croup. The following table shows the number and the percentage of deaths in Providence, from diphtheria, scarlatina, and croup, in each month and quarter of the year. The figures for scarlatina and croup include the aggregate mortality from these diseases during the twenty-three years, from 1855 to 1877 inclusive. The figures for diphtheria are for twenty years, from 1858 to 1877 inclusive.

MONTHS.	DIPHTHERIA. 1858-1877.		SCARLATINA. 1855-1877.		CROUP. 1855-1877.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	50	6.76	192	12.87	88	12.83
February.....	45	6.08	170	11.39	79	11.52
March.....	56	7.57	148	9.92	75	10.93
1st Quarter.....	151	20.41	510	34.18	242	35.28
April.....	42	5.68	141	9.45	54	7.87
May.....	51	6.89	145	9.72	40	5.83
June.....	47	6.35	136	9.12	25	3.64
2d Quarter.....	140	18.92	422	28.29	119	17.34
July.....	30	4.05	80	5.36	26	3.79
August.....	24	3.24	60	4.02	10	1.46
September.....	72	9.73	67	4.49	40	5.83
3d Quarter.....	126	17.02	207	13.87	76	11.08
October.....	120	16.22	77	5.16	67	9.77
November.....	113	15.27	117	7.84	84	12.24
December.....	90	12.16	159	10.66	98	14.29
4th Quarter.....	323	43.65	353	23.66	249	36.30
Totals.....	740	100.00	1,492	100.00	686	100.00

Dividing the year into periods of four months, the numbers and proportions are as follows :—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	193	26.09	651	43.63	296	43.15
2d 4 months.....	152	20.53	421	28.22	101	14.72
3d 4 months.....	395	53.38	420	28.15	289	42.13

Dropsy was reported as the cause of five deaths in 1877; 0.26 per cent. of all from known causes; males, 2; females, 3; of American parentage, 2; of foreign parentage, 3.

Fever, Typhoid. The number of deaths reported from this cause in 1877, was 43; 10 more than in 1876, and 2.22 per cent. of the whole number from known causes. Number of males, 20; females, 23; American parentage, 22; foreign, 21. In the following statistics for the twenty-two years, 1856–1877, besides the deaths from typhoid, are included the few that have been reported, in some years, from “fever,” “bilious fever,” and about 30 from typhus fever:—

Whole number, 935; annual average, 42.

Males, 489; females, 446; total, 935, or 3.34 per cent. of all.

American parentage, 517; foreign parentage, 418.

Heart, Diseases of. The number of deaths from diseases of the heart, in 1877, was 93; males, 47; females, 46; American parentage, 53; foreign parentage, 40; total, 93, or 4.81 per cent. of all from known causes. The statistics for twenty-two years, 1856–1877, show 1,284 deaths from diseases of the heart, or 4.59 per cent. of all; annual average, 58. The following are the details for each year:—

	SEX.		PARENTAGE.		Whole Number.	Percentage.
	Males.	Females.	American.	Foreign.		
1856.....	8.....	13.....	16.....	5.....	21.....	2.03
1857.....	13.....	18.....	22.....	9.....	31.....	3.45
1858.....	13.....	23.....	28.....	8.....	36.....	3.61
1859.....	13.....	11.....	17.....	7.....	24.....	2.76
1860.....	15.....	16.....	21.....	10.....	31.....	3.23
1861.....	23.....	18.....	29.....	12.....	41.....	4.05
1862.....	26.....	23.....	33.....	16.....	49.....	5.54
1863.....	23.....	19.....	30.....	12.....	42.....	3.54
1864.....	26.....	32.....	44.....	14.....	58.....	4.63
1865.....	18.....	29.....	33.....	14.....	47.....	3.95
1866.....	19.....	21.....	27.....	13.....	40.....	3.95
1867.....	26.....	23.....	35.....	14.....	49.....	5.19
1868.....	25.....	27.....	34.....	18.....	52.....	4.79
1869.....	33.....	29.....	35.....	27.....	62.....	5.00
1870.....	28.....	31.....	33.....	26.....	59.....	4.72
1871.....	40.....	37.....	46.....	31.....	77.....	6.22
1872.....	43.....	49.....	63.....	29.....	92.....	5.82
1873.....	46.....	54.....	59.....	41.....	100.....	5.88
1874.....	46.....	58.....	62.....	42.....	104.....	5.29
1875.....	43.....	45.....	47.....	41.....	88.....	4.65
1876.....	41.....	47.....	51.....	37.....	88.....	4.75
1877.....	47.....	46.....	53.....	40.....	93.....	4.81
22 years' total.	615.....	669.....	818.....	466.....	1,284.....	4.59

the deaths reported mostly occur in the Butler Hospital for the Insane, in which, for obvious reasons, the insane population of American parentage is more fully represented than that of foreign parentage.

Intemperance. There were 8 deaths from this cause in 1877, of which 3 were from delirium tremens. Number of males, 5; females, 3; American parentage, 1; foreign, 7; total, 8, or 0.42 per cent. of all from known causes.

The following are the statistics for the twenty-one years, 1857-1877:—

Whole number from known causes, 26,948.
From intemperance, 213; annual average, 10.
Males, 155; females, 58; total, 213, or 0.79 per cent of all.
American parentage, 61; foreign parentage, 152.

Of the 213 decedents, 72; 77 per cent. are males; and 71.36 per cent. are of foreign parentage.

Kidneys, Diseases of, caused 49 deaths in 1877, 34 of which were from Bright's disease, and 3 from Addison's disease; males, 31; females, 18; American parentage, 24; foreign parentage, 25; total, 49, or 2.54 per cent. of all from known causes. The statistics for the twenty-two years, 1856-1877, are:—

Whole number, 390; annual average, 18.
Males, 230; females, 160; total, 390, or 1.39 per cent. of all.
American parentage, 231; foreign parentage, 159.

Liver, Diseases of. The number of deaths from this cause in 1877, was 22, or 1.14 per cent. of all from known causes; males, 11; females, 11; American parentage, 12; foreign parentage, 10. For the twenty-two years, 1856-1877, the numbers are:

Whole number, 319; annual average, 14.
Males, 159; females, 160; total, 319, or 1.14 per cent. of all.
American parentage, 156; foreign parentage, 163.

Malformations. The number of deaths reported from this cause in 1877, was 16; just twice as many as in 1876, and 0.83 per cent. of all from known causes. Number of males, 8; females, 8; American parentage, 10; foreign, 6. There were 8 cases of malformation of the heart; 5, of the spine; 2, of the rectum; and one was not specified.

Whole number from known causes, 1864-1877, 20,139; from cerebro-spinal meningitis, 94.

Males, 51; females, 43; total, 94, or 0.47 per cent. of all.

American parentage, 45; foreign parentage, 49.

The number and percentage of deaths in each division of age, and according to sex and parentage, were as follows, for the 14 years:—

Age.	No.	Per cent.
Under 1 year.	5	5.32
1 and under 2.	5	5.32
2 and under 3.	10	10.64
3 and under 4.	23	24.47
4 and under 5.	9	9.58
5 and under 10.	13	13.83
10 and under 15.	13	13.83
15 and under 20.	8	8.51
20 and under 30.	6	6.38
30 and under 40.	1	1.06
40 and under 50.	1	1.06
50 and under 60.		
60 and under 70.		
Males.	51	54.26
Females.	43	45.74
Total.	94	100.00

Of these 94 decedents, 52, or 55.33 per cent., were under fifteen years of age.

Murder and Homicide. Only two deaths are returned under this heading, in 1877; 0.10 per cent. of all from known causes; one male, and one female; both of foreign parentage.

Neglect. One death was reported from neglect, in 1877; an infant, under one year old; a female of American parentage; 0.05 per cent. of all from known causes.

Old Age, was given as the cause of 63 deaths, in 1877; 9 less than in 1876, and 5 more than in 1875. Number of males, 24; females, 39; American parentage, 27; foreign, 36; total, 63, or 3.26 per cent. of all from known causes. Only 8 of the decedents lived beyond the age of 90 years; a smaller number than for some years previous. The following are the statistics for the twenty-two years, 1856-1877:—

Whole number, 1,129; annual average, 51.

Males, 371; females, 758; total, 1,129, or 4.04 per cent. of all.

American parentage, 697; foreign parentage, 432.

Of the whole number, 1,129, 67.14 per cent. are females; and 61.74 per cent. are of American parentage.

It will be seen how large a proportion of these decedents are of American parentage; 73.39 per cent. being of this class, and only 26.61 per cent. of foreign.

Peritonitis. The number of deaths from this cause, in 1877, was 10; or 8 less than in 1876, 0.52 per cent. of all from known causes. Number of males, 3; of females, 7; of American parentage, 6; of foreign parentage, 4.

The statistics for the twenty-two years, 1856–1877, are:—

Whole number, 184; annual average, 8.
Males, 80; females, 104; total, 184, or 0.66 per cent. of all.
American parentage, 104; foreign parentage, 80.

Pneumonia. There were 88 deaths from this cause, in 1877; and 10 from *congestion of the lungs*; total, 98. In 1876, the deaths from these two causes, numbered 163; and in 1875, 197. The statistics as to sex and parentage in 1877, are as follows:—

Males, 44; females, 54; total, 98, or 5.07 per cent. of all.
American parentage, 47; foreign parentage, 51.

The statistics for the twenty-two years, 1856–1877:—

Whole number, 2,017; annual average, 92.
Males, 1,053; females, 964; total, 2,017, or 7.21 per cent. of all.
American parentage, 1,024; foreign parentage, 993.

Scarlatina. The number of deaths from this cause in 1877, was 12. Only twice in the twenty-three years, 1855–1877 inclusive, has a smaller number been reported; in 1866, the number was 3; and in 1867, it was 10. In 1877, the number of males was 4; females, 8; American parentage, 3; foreign, 9; total, 12, or 0.62 per cent. of all from known causes. For the twenty-two years, 1856–1877, the statistics are:—

Whole number, 1,450; annual average, 66.
Males, 666; females, 784; total, 1,450, or 5.18 per cent. of all.
American parentage, 616; foreign parentage, 834.

The following table gives the particulars, as to sex, parentage, season, and locality, for each of the twenty-three years, 1855–1877, and for the entire period:—

Scrofula. The number of deaths from scrofula, in 1877, was 8; males, 6; females, 2; American parentage, 4; foreign parentage, 4; total, 8, or 0.41 per cent. of the whole number from known causes.

Small-Pox. There have been no deaths in Providence from this disease, since 1875. For the twenty-two years, 1856–1877, the general statistics are as follows:—

Whole number, 79, or 0.28 per cent. of all.
Males, 58; females, 21; American parentage, 48; foreign parentage, 31.

The particulars for each year are as follows:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	0.87
1857.....						
1858.....						
1859.....	2.....	3.....	5.....		5.....	0.57
1860.....	4.....	1.....	3.....	2.....	5.....	0.52
1861.....						
1862.....	2.....	2.....	1.....	3.....	4.....	0.45
1863.....						
1864.....	7.....		3.....	4.....	7.....	0.56
1865.....	9.....	2.....	8.....	3.....	11.....	0.93
1866.....						
1867.....	1.....		1.....		1.....	0.11
1868.....	1.....		1.....		1.....	0.09
1869.....	3.....		3.....		3.....	0.24
1870.....		2.....		2.....	2.....	0.16
1871.....		3.....	1.....	2.....	3.....	0.24
1872.....	9.....	4.....	9.....	4.....	13.....	0.82
1873.....	12.....	2.....	8.....	6.....	14.....	0.82
1874.....						
1875.....	1.....			1.....	1.....	0.05
1876.....						
1877.....						
22 years' total...	58.....	21.....	48.....	31.....	79.....	0.28

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Spine, Disease of. The number of deaths from this cause in 1877, was 3, or 0.16 per cent. of all from known causes; 1 male, and 2 females; 1, of American, and 2, of foreign parentage.

Unknown Causes. The number of deaths in 1877 for which no cause was given, was 6, or 0.31 per cent. of all deaths. Never has the number or percentage been so small before. The decedents were 2 males, and 4 females; 4, of American, and 2, of foreign parentage; 4 were children under one year old.

The statistics for the twenty-two years, 1856-1877, are as follows: —

Whole number, 508; annual average, 23.

Males, 265; females, 243; total, 508, or 1.78 per cent. of all.

American parentage, 166; foreign parentage, 342.

Of these 508 decedents, 67.32 per cent. were of foreign parentage.

Of the 2,543 children, born in Providence in 1877, 145, or 5.70 per cent., were still-born. Of these 2,543 children, 1,292, or 50.80 per cent., had American mothers; 714, or 28.08 per cent., had Irish mothers; and 537, or 21.12 per cent., had mothers who were natives of other foreign countries. Of the still-born, the proportions are as follows to the mothers of the different classes: American, 71, or 48.97 per cent.; Irish, 51, or 35.17 per cent.; other foreign, 23, or 15.86 per cent.

From these numbers, it might appear that the largest percentage of the still-born were children of American mothers; but though they are more in number, the proportion of still-born to the whole number of children born to mothers of each class, is much larger among the Irish; as may be seen by making the comparison in the following manner.

Of the 1,292 children of American mothers, 71, or 5.50 per cent., were still-born; of the 714 children of Irish mothers, 51, or 7.14 per cent.; and of the 537 children of other foreign mothers, 23, or 4.28 per cent.

The proportions are: to American mothers, one in 18.20; to Irish mothers, one in 14.00; to other foreign mothers, one in 23.35.

These numbers compare with those of the previous year, as follows: the number and proportion of children born to American mothers were larger in 1877, than in 1876; the number of still-born slightly larger, but the proportion to the whole number less than in the preceding year. Of children of Irish mothers, the number and proportion was less than in 1876; of still-born, the number was less, but the percentage larger. Of children of other foreign mothers, the number and proportion was larger than in 1876; of still-born, the number was a little larger and the percentage a little less than in the preceding year. In the twenty-two years, 1856-1877, there have been born in Providence 41,273 children, of whom 2,464, or one in 16.75, have been still-born; 5.97 per cent. of the whole number. Of the 2,464 still-born children, 2,311 were white, and 153 were colored; number of males, 1,420, or 57.63 per cent.; females, 1,044, or 42.37 per cent. Reckoning the parentage according to the father's birthplace, 1,019 were American; 1,129, Irish; 309, other foreign; and 7 were of unknown parentage.

BIRTHS AND DEATHS BY PARENTAGE.

The following recapitulatory table shows the number of births and deaths, by parentage, in Providence, in each of the twenty-two years from 1856-1877 inclusive. In the three years, 1863, 1864, and 1865, there was an excess of deaths over the births, in the population of American parentage.

TABLE XXII.

YEAR.	AMERICAN PARENTAGE.			FOREIGN PARENTAGE.		
	Deaths.	Births.	Excess of Births.	Deaths.	Births.	Excess of Births.
1856.....	511	759	248	524	911	387
1857.....	523	701	178	402	987	585
1858.....	511	771	260	505	953	448
1859.....	479	689	210	420	934	514
1860.....	511	731	220	489	917	428
1861.....	538	740	202	513	985	472
1862.....	480	663	183	454	906	452
1863.....	597	528	-69	617	779	162
1864.....	649	579	-70	632	765	133
1865.....	631	546	-85	580	752	172
1866.....	513	728	215	523	906	383
1867.....	528	725	197	432	890	457
1868.....	586	882	296	514	984	470
1869.....	627	926	299	620	893	264
1870.....	---	---	248	621	999	378
1871.....	---	---	337	611	980	369
1872.....	---	---	203	771	1,171	400
1873.....	---	---	141	857	1,125	268
1874.....	---	---	---	1,102	1,563	461
1875.....	---	---	266	1,001	1,484	483
1876.....	---	---	294	990	1,462	472
1877.....	---	---	330	1,030	1,305	275
22 years...	---	---	4,381	14,217	22,625	8,408

1879.]

CITY DOCUMENT.

[No. 24.]

TWENTY-FOURTH ANNUAL REPORT
UPON THE
BIRTHS, MARRIAGES, AND DEATHS
IN THE
CITY OF PROVIDENCE,
FOR THE YEAR
1878,
By EDWIN M. SNOW, M. D.,
SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.

PROVIDENCE:
PROVIDENCE PRESS CO., PRINTERS TO THE CITY.
1879.

THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved July 2, 1879.]

RESOLVED, That the twenty-fourth annual report of the City Registrar, for the year ending December 31, 1878, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy : witness,

H. V. A. JOSLIN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE, }
PROVIDENCE, June 2, 1879. }

To the Honorable the City Council:

Enclosed is my Twenty-Fourth Annual Report upon the Births, Marriages and Deaths, in the City of Providence. The statistics contained in it are for the year ending December 31, 1878. During the year 1878, there were 2,627 children born in Providence; 2,032 persons were married, and 1,989 persons died. As compared with the year 1877, the number of births in 1878 was 84 more; of persons married, 126 more; and of deaths, 51 more.

A low estimate of the population of Providence, in the middle of the year 1878, is 101,000. This gives a ratio of births, marriages and deaths to population as follows:—

One birth in 38.44, or 26.01 in each 1,000.

One person married in 49.70, or 20.12 in each 1,000.

One death in 50.78, or 19.69 in each 1,000.

The average annual rate of mortality in Providence during the 24 years, from 1855 to 1878 inclusive, has been less than 20 in each 1,000 of the population. This rate is very small for a city of the size of Providence, and is based upon full returns of deaths and accurate censuses of population.

Full particulars relating to the causes of death in 1878, together with the usual and additional tables in relation to births, marriages and deaths, are given in the report.

EDWIN M. SNOW, M. D.,
Superintendent of Health and City Registrar.

CITY REGISTRAR'S REPORT.

1878.

BIRTHS.

THE number of children born in the city of Providence during the year 1878, was 2,627.

In Table I. will be found the number born in each ward, in each month and quarter of the year; and the number of each sex, and the number of colored children born in each month and quarter, for the whole city.

TABLE I. BIRTHS, 1878. *Wards, Months, Sex, and Color.*

The largest daily average for the whole period is in June; the smallest in March. There were six months in which the daily average was greater than that for the whole period, viz.: March, June, September, October, November, and December.

Sex and Locality. The number of children of each sex, born in each ward of the city, in each quarter of the year 1878, is given in Table II.; also the number of each sex, for the whole year:—

TABLE II. BIRTHS, 1878. *Wards, Sex, and Season.*

Proportion of the Sexes. Of the 2,627 children, born in Providence, in the year 1878, the number and proportion of each sex were as follows: Males, 1,358; females, 1,269; 107 males to each 100 females; or 51.69 males, and 48.31 females in each 100 children born. This proportion of males is larger than in either of the two years preceding, and greater than the average for 25 years.

The following table shows the number and proportion of each sex in each quarter of the year 1878:—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	329	and	299,	or 110.0 to 100,	or 52.39	to 47.61 in each 100 born.
April-June.....	323	and	297,	or 108.7 to 100,	or 52.10	to 47.90 in each 100 born.
July-Sept.....	366	and	331,	or 107.6 to 100,	or 51.82	to 48.18 in each 100 born.
Oct.-Dec.....	360	and	342,	or 102.3 to 100,	or 50.58	to 49.42 in each 100 born.
Whole Year.....	1,358	and	1,269,	or 107.0 to 100,	or 51.69	to 48.31 in each 100 born.

In the aggregate for twenty-three years, 1856-1878 inclusive, the number and proportion of each sex, born in each quarter of the year, were as follows:—

In 23 years, 1856-1878 inclusive, the number of colored children born in Providence was 1,699; 901 males, and 798 females; a proportion of 112.9 males to each 100 females; or 53.03 males, and 46.97 females in each 100 children born.

The following are the statistics of births, marriages and deaths among the colored population of the city, for the 23 years, 1856-1878:—

Twenty-two years, 1856-1877.....	1,696 births.....	774 marriages.....	1,681 deaths.
1878.....	103 births.....	54 marriages.....	106 deaths.
Twenty-three years' total.....	1,699 births.....	828 marriages.....	1,787 deaths.

The proportion of births to deaths among this class in 1878, was 100 to 101.9; in the twenty-three years, 1856-1878, it was 100 to 105.2.

PARENTAGE.

The facts on this important subject, given in the next few pages show the relative proportions of the different classes of our population.

Table III. gives the number of children, according to parentage, born in each ward; also the percentage of each nationality for the whole city. When the parents are of different foreign countries the parentage is always reckoned according to the birthplace of the father:—

TABLE III. BIRTHS, 1878. *Wards and Parentage.*

The "other foreign" in this table were as follows: Italian, 13; Swedish, 12; French, 6; Polish, 6; Norwegian, 2; Swiss, 2; and one each of Russian, African, Danish, and Belgian parentage.

The following is a recapitulation, showing the number and percentage of children, born of American, foreign and mixed parentage in each of the twenty-three years, 1856-1878 inclusive; also the same for the entire period:—

Year.	American.		Foreign.		Amer. father, For. mother.		For. father, Amer. mother.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per ct.
1856.....	705.....	42.00.....	857.....	51.17.....	55.....	3.22.....	58.....	3.52
1857.....	650.....	38.51.....	937.....	55.51.....	51.....	3.02.....	50.....	2.96
1858.....	712.....	41.30.....	886.....	51.39.....	58.....	3.36.....	68.....	3.95
1859.....	599.....	37.60.....	887.....	55.69.....	59.....	3.70.....	48.....	3.01
1860.....	661.....	40.11.....	857.....	52.00.....	69.....	4.19.....	61.....	3.70
1861.....	654.....	37.91.....	916.....	53.10.....	86.....	4.99.....	69.....	4.00
1862.....	589.....	38.52.....	799.....	52.26.....	74.....	4.84.....	67.....	4.38
1863.....	467.....	35.73.....	711.....	54.40.....	62.....	4.74.....	67.....	5.13
1864.....	520.....	38.60.....	609.....	52.00.....	60.....	4.47.....	55.....	4.84
1865.....	476.....	36.67.....	664.....	52.70.....	70.....	5.39.....	68.....	5.24
1866.....	656.....	40.20.....	821.....	50.30.....	70.....	4.29.....	85.....	5.21
1867.....	645.....	39.72.....	791.....	48.70.....	80.....	4.93.....	108.....	6.65
1868.....	779.....	41.75.....	868.....	46.51.....	103.....	5.52.....	116.....	6.22
1869.....	822.....	45.19.....	776.....	42.16.....	104.....	5.72.....	117.....	6.43
1870.....	800.....	42.35.....	862.....	45.64.....	90.....	4.76.....	137.....	7.25
1871.....	879.....	44.85.....	828.....	42.24.....	101.....	5.15.....	152.....	7.76
1872.....	907.....	41.12.....	1,002.....	45.42.....	128.....	5.80.....	169.....	7.66
1873.....	869.....	40.84.....	941.....	44.22.....	134.....	6.29.....	184.....	8.65
1874.....	1,068.....	38.42.....	1,326.....	47.70.....	149.....	5.36.....	237.....	8.52
1875.....	999.....	37.50.....	1,256.....	47.15.....	181.....	6.79.....	228.....	8.56
1876.....	1,007.....	38.27.....	1,230.....	46.75.....	162.....	6.16.....	232.....	8.83
1877.....	1,054.....	41.45.....	1,067.....	41.96.....	184.....	7.23.....	238.....	9.36
1878.....	1,035.....	39.40.....	1,174.....	44.60.....	180.....	6.85.....	238.....	9.06
23 years' totals.	17,553	39.98	21,175	48.24	2,310	5.26	2,862	6.52

These percentages vary slightly from year to year; there is usually a much larger percentage of foreign than of American parentage; the years 1869 and 1871 being the only ones in which the American percentage exceeds the foreign; in 1878 the percentage of foreign parentage is considerably larger than in 1877, and all the other classes show a corresponding decrease. The percentage of both classes of mixed parentage, though smaller than in the preceding year, is yet above the average for the whole period.

The following table shows the percentage of children born in Providence, of parents of each nation, for each of the twenty-three years, 1856-1878:—

BIRTHS: PARENTAGE.

7

	American. Per cent.	Irish. Per cent.	English, S. & W. Per cent.	German. Per cent.	British American. Per cent.	Portuguese. Per cent.	Other for'n. Per ct.
1856.....	42.09.....	41.79.....	4.84.....	2.27.....	—.....	—.....	2.27
1857.....	38.51.....	44.32.....	5.92..	3.73	—.....	—.....	1.54
1858.....	41.30.....	42.98.....	4.82.....	2.26.....	—.....	—.....	1.33
1859.....	37.60.....	45.58	5.34	3.26.....	—.....	—.....	1.51
1860.....	40.11.....	40.96.....	6.55.....	2.85	—.....	—.....	1.64
1861.....	37.91.....	42.61.....	6.03.....	2.49.....	—.....	—.....	1.97
1862	38.52.....	41.53.....	6.02.....	3.07.....	—.....	—.....	1.64
1863.....	35.73.....	43.08.....	6.35.....	2.98.....	—.....	—.....	1.99
1864.....	38.69.....	41.36.....	6.55.....	2.75.....	—.....	—.....	1.34
1865.....	36.67.....	42.99.....	5.93	1.85.....	—.....	—.....	1.93
1866.....	40.20.....	39.52.....	6.25.....	2.21.....	—.....	—.....	2.32
1867	39.72.....	37.81... ..	5.66.....	3.02	—.....	—.....	2.21
1868.....	41.75.....	36.01.....	6.48	1.88.....	1.07....	—.....	1.07
1869.....	45.19.....	34.14.....	4.01.....	1.81.....	1.32.....	—.....	1.38
1870	42.35.....	34.68.....	6.19.....	1.96.....	1.91.....	—.....	.90
1871.....	44.85.....	32.25.....	4.54.....	1.63.....	2.09.....	—.....	1.73
1872.....	41.12.. .	32.46.....	5.67... ..	2.77.....	2.31.....	—.....	2.31
1873.....	40.84.....	30.50.....	7.19.....	1.88.....	2.49.....	—.....	2.16
1874.....	38.42.....	32.63.....	8.13.....	2.34.....	2.19.....	1.22....	1.19
1875.....	37.50.....	31.53.....	7.69.....	2.85.....	2.67.....	.98.....	1.43
1876.....	38.27	31.05..	7.75.....	2.59.....	2.89.....	1.22..	1.25
1877.	41.45.....	28.08.....	6.96	1.96	2.56.....	1.12.....	1.30
1878.....	39.40.....	29.65	6.74.....	2.55	2.86.....	1.18.....	1.71

The British American were included in the “other foreign” until the year 1868; and the Portuguese until 1874.

It will be noticed that the proportion of children born of American parents has changed but slightly in the whole period of twenty-three years. It was 42.09 per cent. in 1856, and 39.40 in 1878. In 1869, 1870, and 1871 the percentage was greater than in 1856. The extremes of the percentage of American parentage, in the 23 years, were 35.73 in 1863, and 45.19 in 1869. The percentage of Irish children kept pretty uniform, with a slight increase, from 1856 to 1865. Since the last date it has rapidly decreased, the percentage 28.08, in 1877, being the smallest in the twenty-three years.

Table IV. shows more definitely the parentage of the children born in 1878, as it gives the birthplace of both parents:—

TABLE IV. BIRTHS, 1878. *Parentage.*

From this table it will be seen that of the 2,627 children born in Providence, in 1878, 1,035, or 39.40 per cent. of all were of purely American parentage; in addition to these there were 180 who had American fathers and foreign mothers; and 238 with foreign fathers and American mothers, making a total of 1,215, with American fathers, and 1,273 with American mothers; in both classes a smaller number than in the preceding year. There were 1,034 children, or 39.36 per cent. of all, whose parents were natives of the same foreign country; 140 children, or 5.33 per cent. whose parents were natives of different foreign countries; and 418, or 15.91 per cent. whose parents were one American and one foreign. In regard to these numbers and percentages it may be said, that of the 35 children whose parents were of "other countries" than those named in the table, the parents were not in every instance of the *same* foreign country; but as in many cases they were, and as it would be difficult to distinguish them, the countries not being specified in the table, they have always been included in that class, in giving these percentages.

NUMBER OF THE CHILD.

Table V. shows how many of the children born in 1878 were the first, second, third, etc., children of their mothers; also the same statistics for the 42,873 children born in the twenty-three years preceding, 1855-1877 inclusive:—

BIRTHS: CHILDREN TO EACH MOTHER.

9

TABLE V. BIRTHS, 1878. *Number of the Child.*



There were 520 children in 1878 who were the first children their mothers had borne; this was 20.14 per cent. of the whole number of children born during the year. Of the 42,873 children born in the 23 years, 1855-1877 inclusive, 10,784 or 25.04 per cent. were the first children of their mothers.

The next table shows the average number of children to each mother in each of 24 years, 1855-1878:—

TABLE VI. BIRTHS, 1855 TO 1878.

Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate No. of children.	Average.
1855.....	1,588	1,600	5,214.....	3.28 children to each mother.
1856.....	1,638	1,675	5,562.....	3.35 children to each mother.
1857.....	1,604	1,688	5,736.....	3.44 children to each mother.
1858.....	1,708	1,724	5,685.....	3.33 children to each mother.
1859.....	1,570	1,693	5,618.....	3.58 children to each mother.
1860.....	1,627	1,648	5,841.....	3.56 children to each mother.
1861.....	1,604	1,725	6,017.....	3.65 children to each mother.
1862.....	1,512	1,529	5,322.....	3.62 children to each mother.
1863.....	1,286	1,307	4,717.....	3.64 children to each mother.
1864.....	1,327	1,344	4,887.....	3.68 children to each mother.
1865.....	1,279	1,206	4,625.....	3.60 children to each mother.
1866.....	1,614	1,632	5,744.....	3.56 children to each mother.
1867.....	1,596	1,624	5,407.....	3.50 children to each mother.
1868.....	1,841	1,866	6,538.....	3.44 children to each mother.
1869.....	1,797	1,819	5,954.....	3.30 children to each mother.
1870.....	1,859	1,880	6,145.....	3.31 children to each mother.
1871.....	1,937	1,960	6,420.....	3.31 children to each mother.
1872.....	2,174	2,206	7,346.....	3.38 children to each mother.
1873.....	2,104	2,128	6,731.....	3.20 children to each mother.
1874.....	2,738	2,780	8,060.....	3.27 children to each mother.
1875.....	2,604	2,664	8,977.....	3.41 children to each mother.
1876.....	2,604	2,631	8,914.....	3.42 children to each mother.
1877.....	2,516	2,543	8,706.....	3.46 children to each mother.
1878.....	2,597	2,627	9,417.....	3.63 children to each mother.
24 years.....	44,931	45,500	154,372.....	3.44 children to each mother.

The reference marks in this table indicate the age of the mother and the number of the child in cases of plurality birth; thus at the age of 22 years two mothers bore twins, and in both cases they were the second and third children.

The oldest woman bearing a child in Providence in 1878, was 50 years of age and had borne five children before. The number of women forty years old and over, who bore children in 1878, was 119; they had borne 842 children, or an average of 7.08 children to each mother. From July 1, 1863, to December 31, 1878, a period of fifteen years and six months, during which the age of the mothers has been recorded, there have been 1,554 women of forty years and over, who bore children; the number of children they had borne was 11,881, or an average of 7.64 children to each mother.

During this period of fifteen years and six months, there have been 31,576 children borne by mothers whose age was given. The number of children borne by mothers of each age during this time is as follows:—

Age of Mother.	Children.	Age of Mother.	Children.	Age of Mother.	Children.
14.....	3	27.....	1,852	40.....	736
15.....	18	28.....	2,210	41.....	207
16.....	47	29.....	1,580	42.....	242
17.....	138	30.....	2,546	43.....	138
18.....	352	31.....	1,071	44.....	90
19.....	568	32.....	1,471	45.....	94
20.....	915	33.....	1,242	46.....	25
21.....	1,057	34.....	1,034	47.....	24
22.....	1,545	35.....	1,585	48.....	9
23.....	1,705	36.....	937	49.....	3
24.....	1,881	37....	774	50.....	5
25.....	2,133	38.....	846		
26.....	1,959	39	534	All known ages..	31,576

The mothers of these children were divided as to age as follows:—

Under twenty years.....	1,126
Twenty, and under twenty-five.....	7,103
Twenty-five, and under thirty.....	9,734
Thirty, and under thirty-five.....	7,364
Thirty-five, and under forty.....	4,676
Forty, and under forty-five.....	1,413
Forty-five and over.....	160
Total.....	31,576

Irish ; in two cases both parents were English, and in two, both German ; in one, both were British American ; in three cases, where the father was American, the mothers were respectively Scotch, Irish and British American ; in two cases where the fathers were Irish, the mothers were respectively English and British American. This gives six American mothers ; fifteen Irish ; three English ; two German ; three British American, and one Scotch.

TWENTY-FOUR YEARS' SUMMARY OF PLURALITY BIRTHS.

During twenty-four years, 1855-1878 inclusive, the cases of plurality births occurring in Providence have been 560 ; of which 551 were of twins, and nine of triplets ; whole number of children, 1,129. There have been no triplets born in Providence since 1873, when there were two cases.

Sex. Of the nine cases of triplets, in one case, all the children were males ; in five cases, all were females ; and in three cases, there were two male children, and one female ; making 9 male and 18 female children in the nine cases.

Of the 551 cases of twins, there were 177 in which both children were males ; in 189, both were females ; and in 185, there was one child of each sex ; total, 539 male, and 563 female children. Of the 1,129 children in all the cases of plurality births 548 were males, and 581 females.

Color. In all the cases of triplets, the parents were white. Of the 551 cases of twins, in 533 the parents were white, and in 18 they were colored.

Parentage. Of the triplets, in one case, the parents were both American ; in five cases, both were Irish ; in one case, both German ; in one, the father was English and the mother Irish ; and in one, the father Scotch and the mother Irish. There was but one American mother in the nine cases.

The following statistics of the 521 cases of twin births, give the nativity of both parents, the first letter representing the father's birthplace and the second the mother's.

A., American ; I., Irish ; E., English ; S., Scotch ; W., Welsh ; G., German ; B. A., British American ; D., Dutch ; P., Portuguese ; It., Italian ; Sw., Swedish.

Parentage.	No.	Parentage	No.	Parentage.	No.	Parentage.	No.
A. and A.....	180	I. and A.....	13	G. and I.....	1	A. and S.....	1
I. and I.....	218	E. and A.....	12	B. A. and I.....	1	I. and S.....	3
E. and E.....	25	S. and A.....	2	Sw. and I.....	1	E. and S.....	1
S. and S.....	4	B. A. and A.....	6	It. and I.....	1	I. and W.....	1
G. and G.....	15	G. and A.....	1	P. and I.....	1	A. and B. A.....	5
B. A. and B. A....	10	Sw. and A.....	1	A. and E.....	3	I. and B. A.....	2
D. and D.....	1	A. and I.....	12	I. and E.....	6	E. and B. A....	1
P. and P.....	5	E. and I.....	11	S. and E.....	1	S. and B. A.....	1
It. and It.....	1	S. and I.....	3	G. and E.....	1	Total.....	551

This table shows that of the 551 cases of twin-births, in 215 cases, or 39.02 per cent. of all, the mothers were born in the United States; in 249 cases, or 45.19 per cent., the mothers were born in Ireland, and in 87 cases, or 15.79 per cent., the mothers were natives of other foreign countries. Of the 560 cases of plurality births in the twenty-four years, the American mothers numbered 216, and the foreign mothers, 344.

Proportion of plurality births to whole number. The following statement is a comparison of the year 1878, with the twenty-three years previous, as to the whole number of births, and the proportion of plurality births:—

	Single births.	Twin.	Triplet.	Whole No. Births.	Whole No. Children.
23 years, 1855–1877..	41,804.....	521.....	9.....	42,334.....	42,873
1878.....	2,567.....	30.....	—.....	2,597.....	2,627
24 years' total.....	44,371.....	551.....	9.....	44,931.....	45,500

Proportion of cases of plurality births:—

	Twins.	Triplets.
1855–1877.....	1 in 81.3.....	1 in 4,703.7
1878.....	1 in 86.6.....	
1855–1878.....	1 in 81.5.....	1 in 4,992.3

Proportion of children of plurality births:—

	Twins.	Triplets.
1855–1877.....	1 in 41.1.....	1 in 1,587.9
1878.....	1 in 43.7.....	
1855–1878.....	1 in 41.3.....	1 in 1,685.2

Proportion of plurality births by parentage. The whole number of births in the twenty-four years, 1855–1878 inclusive, was 44,931. The following statement gives the number of births of American, foreign and mixed parentage; also the number and proportion of plurality births in each class:—

	Whole No. births.	Plurality cases.	1 in	Per cent.
American parents.....	18,010.....	181.....	99.50,	or 1.00
Foreign parents.....	21,698.....	323.....	67.18,	or 1.49
American and Foreign.....	5,223.....	56.....	93.27,	or 1 07
Total.....	44,931.....	560.....	80.23,	or 1.25

Of the 560 cases of plurality births in this period of twenty-four years, the 181 cases of American parentage were 32.32 per cent.; the 323 cases of foreign parentage were, 57.68 per cent.; and the 56 cases of mixed parentage were 10.00 per cent.

MARRIAGES.

The number of marriages in Providence during the year 1878, was 1,016.

Table VIII. gives the number for each month and quarter of the year 1878, and for each of the six years, 1872-1877 inclusive; also the aggregate and average number for each month and quarter for the period of twenty-four years, 1855 to 1878 inclusive:—

TABLE VIII. MARRIAGES. Season.

MARRIAGES: SEASON.

17

The number of marriages in 1878 was 63 more than in 1877, and 67 more than in 1876. Estimating the population in the middle of the year 1878 at 101,000, the ratio of persons married to the population was one in 49.70 or 20.12 persons in each thousand of the population. There were 77 married to each one hundred children born; and 102 persons married to each 100 deaths.

Season. As is generally the case, the larger number of these marriages occurred in the latter half of the year; the largest quarterly total being 296 in the fourth quarter; the smallest quarterly total was 222, in the first quarter. The largest number in any one month was 115 in November; the smallest, 62 in August. The smallest monthly total is generally found in March; in the 24 years, 1855–1878, in which these reports have been published, there have been only four exceptions to this fact. In 1859, August had the same number as March, and July a smaller number; in 1862, July had the same number as March, and August a smaller number; in 1870, August had the smallest monthly total; while in 1878, both August and May have a smaller total than March, and February has the same number. According to the aggregate number of marriages for 24 years, as given in Table VIII., of each 100 marriages in Providence, about 25 occur in the winter months, December, January and February; 22 in the spring; 23 in the summer, and 30 in the autumn.

The following statement gives the number and percentage of marriages in each quarter of the year 1878, and in the aggregate for the corresponding seasons for the 23 years previous, 1855–1877 inclusive:—

	1878.		1855 — 1877.	
	Marriages.	Per cent.	Marriages.	Per cent.
January-March.....	222.....	21.85.....	4,013.....	21.58
April-June.....	249.....	24.51.....	4,749.....	25.53
July-September.....	249.....	24.51.....	4,354.....	23.41
October-December.....	296.....	29.13.....	5,484.....	29.48
Total	1,016.....	100.00.....	18,600.....	100.00

In table IX. are given the birthplaces of the brides and bridegrooms in each of the 1,016 marriages recorded in Providence in the year 1878:—

countries, 85, or 12.39 per cent. Of the 196 brides born in Ireland 56, or 28.57 per cent. married men of other countries. The number of brides born in England, Scotland or Wales was also the same as the number of grooms, 75, and the proportion marrying natives of other countries, 61.33 per cent. From these figures it seems that the natives of the United States are more apt to marry their own country people than the natives of other countries are.

The 19 grooms, natives of "other countries," were as follows: 5 born in Sweden; 3 in St. Helena; 2 each in France and Italy; and 1 each in Denmark, Spain, Norway, Greece, Switzerland, Bermuda, and the West Indies. The 12 brides born in "other countries" were 6 in Sweden; 2 in France; and 1 each in Norway, Switzerland, St. Helena, and the Sandwich Islands.

The number and percentage of American, foreign, and mixed marriages in Providence, are shown in the following table for each of the 24 years, 1855-1878 inclusive. By mixed marriages are understood those where one of the parties was of American, and one of foreign birth:—

Year.	American.		Foreign.		Mixed.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1855.....	308.....	48.73.....	205.....	41.93.....	59..	9.34
1856.....	352.....	54.74.....	212	32.97....	79	12.29
1857.....	384.....	62.54.....	175.....	28.50..	55.....	8.96
1858.....	283.....	50.54.....	214	38.21.....	63.....	11.25
1859.....	333.....	54.50.....	224	36.66 ..	54.....	8.84
1860.....	336.....	54.19.....	225....	36.29.....	59.	9.52
1861	304.....	55.58.....	182.....	33.27.....	61.....	11.15
1862.....	288.....	52.65.....	179.....	32.72.....	80.....	14.63
1863.....	342.....	56.07.....	192.....	31.47.....	76.....	12.46
1864.....	427.....	57.78....	211.....	28.55.....	101.....	13.66
1865 ..	417.....	58.82.....	202.....	28.49.....	90	12.69
1866.....	471.....	58.00.....	244.....	30.05.....	97.....	11.95
1867.....	485.....	56.73	269.....	31.46.....	101	11.81
1868.....	530.....	60.78.....	215.....	24.66.....	127.....	14.56
1869.....	530.....	56.99.	286.....	30.75.....	114.....	12.26
1870.....	552.....	57.56.....	262.....	27.32.....	145.....	15.12
1871.....	523.....	55.46.....	278.....	29.48.....	142.....	15.06
1872	591.....	54.52.....	305	28.14.....	188	17.34
1873.....	652.....	56.69.....	317.....	27.57.....	181.....	15.74
1874.....	648.....	55.10.....	346.....	29.42.....	182.....	15.48
1875	586.....	54.31.....	320.....	29.66.....	173.....	16.03
1876.....	547.....	57.64.....	241.....	25.39.....	161.....	16.97
1877.....	545.....	57.19.....	233.....	24.45	175.....	18.36
1878.....	661.....	59.15	245.....	24.12.....	170.....	16.73
24 years.....	11,035.....	56.27.....	5,842.....	27.79.....	2,733.....	13.94

The aggregate and average age of all the persons married in Providence in 1878 were as follows:—

1,016 males.....	Aggregate age, 29,460 years	Average age, 28.99
1,016 females.....	Aggregate age, 25,796 years	Average age, 25.40

The following table shows the aggregate and average age of the persons married in Providence, in each of the twenty-three years from 1856 to 1878 inclusive:—

Years.	Males.			Females.		
	No.	Aggregate age.	Average age.	No.	Aggregate age.	Average age.
1856.....	630....	18,104 years.....	28.73 years..	637....	15,559 years.....	24.42 years.
1857.....	607....	16,753 years.....	27.59 years..	606...	14,427 years.....	23.84 years.
1858.....	560....	15,850 years.....	28.29 years..	560....	13,702 years.....	24.47 years.
1859.....	611....	16,949 years.....	27.81 years..	611....	14,616 years	23.92 years.
1860.....	620 ...	17,135 years.....	27.60 years..	620 ...	14,667 years.....	23.66 years.
1861.....	547 ...	15,448 years.....	28.24 years..	547....	13,316 years.....	22.33 years.
1862.....	547....	15,773 years.....	28.83 years..	547....	13,565 years.....	24.80 years.
1863.....	610....	17,208 years.....	28.21 years..	610 ...	14,792 years.....	24.24 years.
1864.....	739....	21,361 years.....	28.90 years..	739....	18,075 years.....	24.45 years.
1865.....	709....	20,539 years.....	28.96 years..	709....	17,606 years.....	24.83 years.
1866.....	812....	22,801 years.....	28.08 years..	812....	20,036 years.....	24.67 years.
1867.....	855....	24,443 years.....	28.58 years..	855....	21,078 years.....	24.65 years.
1868.....	872....	24,546 years.....	28.15 years..	872....	21,440 years.....	24.59 years.
1869.....	930....	26,544 years.....	28.55 years..	930....	23,135 years.....	24.88 years.
1870.....	959 ...	27,343 years.....	28.51 years..	959....	23,773 years.....	24.79 years.
1871.....	943....	26,743 years.....	28.37 years .	943....	23,290 years.....	24.70 years.
1872.....	1,084....	31,110 years.....	28.70 years..	1,084....	26,835 years.....	24.76 years.
1873.....	1,150....	32,879 years	28.59 years..	1,150....	28,701 years.....	24.96 years.
1874.....	1,176....	33,927 years.....	28.86 years..	1,176....	29,510 years.....	25.09 years.
1875.....	1,079....	30,848 years.....	28.59 years..	1,079....	27,040 years.....	25.11 years.
1876.....	949 ...	27,496 years	28.97 years..	949 ...	23,640 years	24.91 years.
1877.....	963 ...	27,904 years.....	29.28 years..	963....	24,002 years.. ...	25.28 years.
1878.....	1,016....	29,460 years.....	28.99 years	1,016....	25,796 years.....	25.40 years.
23 years...	18,967....	541,208 years.....	28.53 years..	18,964 ...	468,740 years.....	24.72 years.

In 1856, the ages of 17 males and 19 females, and in 1857, the ages of 7 males and 8 females, were not given. This will account for the apparent discrepancy in the first lines of this table.

Number of the marriage. Table XI. shows the number of the marriage of each party, in each of the 1,016 marriages in 1878:—

were 100 marriages in which both parties were non-resident; this is 9.84 per cent of all.

Marriage and Education. The number of persons married in Providence in 1878 was 2,032; they were divided as to sex and nativity as follows: —

Born in United States.....	Males, 686.....	Females, 686.....	Total, 1,372
Born in foreign countries.....	Males, 330.....	Females, 330.....	Total, 660
Total.....	1,016.....	1,016.....	2,032

The number and proportion of each class who signed the marriage certificate with a mark were as follows: —

1878.	Whole number married.	Signed with a mark.	In each 100.
Males, born in United States.....	686.....	22.....	3.21
Females, born in United States	686.....	33.....	4.81
Total, born in United States.....	1,372.....	55.....	4 01
Males, born in fofeign countries.	330.....	59.....	17.88
Females, born in foreign countries.....	330.....	107.....	32.42
Total, born in foreign countries.....	660.....	166.....	25.15

Of the 55 born in the United States, who signed with a mark, 14, (8 males and 6 females), were colored persons; and 32 others, (8 males and 24 females), were of foreign parentage; this leaves 9 persons, (6 males and 3 females), of white American parentage, who signed the marriage certificate with a mark. This is 5 more of this class than in 1877.

These statistics for the nineteen years, 1859–1877 inclusive, are as follows: —

1859-1877.	Whole number married.	Signed with a mark.	In each 100.
Males, born in United States.....	10,157.....	507.....	4.99
Females, born in United States.....	10,364.....	713.....	6.88
Total, born in United States.....	20,521.....	1,220.....	5.94
Males, born in foreign countries.....	5,988.....	2,034.....	33.97
Females, born in foreign countries.	5,781.....	2,904.....	50.23
Total, born in foreign countries.....	11,769.....	4,938.....	41.96

The number and proportion of those who signed with a mark in 1878, were less in all classes than in 1877; of those born in the United States, 9 less, 5 males and 4 females; of those born in foreign countries, 23 less; males, 25 less, and females, 2 more. In 1877, the whole number of persons married was 1,906; of those who signed with a mark, 253, or 13.27 in each hundred; in 1878, the number of persons married was 2,032; of those who signed with a mark, 221, or 10.88 in each hundred.

DEATHS.

The number of deaths in Providence in 1878 was 1,989; this was 51 more than in 1877, and is a larger number than has ever been recorded in these reports, though the number in 1874 was nearly as large, 1,987. The number of males in 1878 was 47 more than in 1877; the number of females 4 more; of whites, 50 more; of colored, 1 more; of natives of the United States, 54 more; of natives of foreign countries, 3 less; of American parentage, 19 less; of foreign parentage, 70 more.

The average death-rate in Providence for the twenty-four years, 1855–1878 inclusive, was one in 50.80 of the population. In 1878 it was as follows in the different classes of the population:—

	Population, 1875.	Deaths, 1878.	To population, each 1,000 one death in	Deaths to population.
Whole number.....	100,675.....	1,989.....	50.62.....	19.76
Males.....	48,701.....	969.....	50.26.....	19.90
Females.....	51,974.....	1,020.....	50.95.....	19.63
Whites.....	97,188.....	1,883.....	51.61.....	19.37
Colored.....	3,487.....	106.....	32.90.....	30.40
Born in the United States.....	71,438.....	1,565.....	45.65.....	21.91
Born in Ireland.....	18,458.....	313.....	58.97.....	16.96
Born in England, Scotland and Wales.....	6,110.....	63.....	96.98.....	10.31
Born in Germany.....	1,246.....	14.....	89.00.....	11.24
Born in other foreign countries.....	3,423.....	34.....	100.68.....	9.93
Total of foreign born.....	29,237.....	424.....	68.96.....	14.46
American parentage.....	47,316.....	889.....	53.22.....	18.79
Irish parentage.....	37,440.....	795.....	47.09.....	21.23
English, Scotch and Welsh parentage.....	9,636.....	172.....	56.02.....	17.65
German parentage.....	2,516.....	40.....	62.90.....	15.90
Other foreign parentage.....	3,767.....	93.....	40.51.....	24.60
Total of foreign parentage.....	53,359.....	1,100.....	48.58.....	20.62

Table XII., on the next page, gives some general statistics in regard to the deaths in 1878:—

TABLE XII. DEATHS, 1878.

Sex, condition, color, nativity, parentage, locality, season.

1878.	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole year.
Whole number of Deaths.....	208	175	158	164	131	128	203	175	142	160	165	180	1,989
Sex.—													
Males.....	98	84	74	88	65	52	111	83	70	78	84	82	989
Females	110	91	84	76	66	76	92	92	72	82	81	98	1,020
Condition.—													
Married.....	48	37	44	32	39	37	42	35	49	36	43	47	489
Single.....	136	117	98	100	71	69	147	118	77	107	107	103	1,250
Widows.....	18	13	11	19	14	14	9	16	11	14	11	19	169
Widowers.....	6	6	4	12	7	8	3	6	4	3	4	11	74
Divorced.....	....	2	1	1	....	....	2	....	1	....	....	....	7
Color.—													
Whites.....	197	168	151	149	125	121	189	170	136	150	160	167	1,883
Colored.. ..	11	7	7	15	6	7	14	5	6	10	5	13	106
Nativity.—													
United States.....	171	133	131	131	93	95	169	145	112	127	120	138	1,565
Ireland.....	27	29	22	26	32	24	24	20	21	22	36	30	313
England and Scotland.. ..	6	9	2	4	3	4	5	6	5	5	6	8	63
Germany.....	1	2	....	....	....	1	1	1	1	5	1	1	14
British America.....	2	2	3	3	3	2	3	2	3	1	1	3	28
Portugal and West'n Islands.....	....	....	....	....	....	....	1	....	....	....	1	....	2
Other countries.....	1	....	....	....	....	2	....	1	....	....	....	....	4
Parentage.—													
American.....	101	61	77	80	58	51	92	70	75	60	65	99	889
Irish.....	71	86	58	62	58	58	77	74	46	73	76	50	795
English and Scotch.....	21	16	13	12	8	11	19	17	10	16	15	14	172
German.....	5	3	5	3	....	2	4	4	2	4	3	5	40
British American.....	5	5	4	4	5	3	3	4	5	3	4	4	49
Portuguese.....	4	4	1	2	1	....	4	2	1	1	1	....	21
Other foreign.....	1	....	....	1	1	3	4	4	3	3	1	2	23
Locality, Wards.—													
I.....	31	29	16	26	17	10	25	25	21	10	28	28	264
II.....	4	5	3	9	2	7	11	3	1	8	5	4	62
III.....	17	23	22	16	9	9	23	17	15	15	11	5	182
IV.....	14	9	11	6	10	3	11	11	4	10	9	11	109
V.....	10	15	21	14	15	13	27	16	15	13	17	13	189
VI.....	9	12	7	10	7	10	13	7	2	14	7	10	108
VII.....	21	14	11	9	9	17	12	14	7	22	15	18	169
VIII.....	19	9	12	13	23	11	10	19	22	16	11	22	187
IX.....	34	22	20	17	15	20	31	30	27	23	24	36	299
X.....	41	31	29	33	20	17	31	24	24	25	32	28	335
Public Institutions.....	8	6	6	11	4	11	9	9	4	4	8	5	85
Totals.....	208	175	158	164	131	128	203	175	142	160	165	180	1,989

Season. Contrary to the usual rule, the largest number of deaths was in the first quarter of the year instead of the third; the smallest number was in the second quarter. The following statement gives the number of deaths in each quarter of each of the last six years; also the whole number and the average for each quarter for the period of twenty-three years, 1855–1877 inclusive:—

of the year; the few exceptions have been when epidemic diseases have prevailed extensively at other seasons; as in 1856, when scarlatina, croup, and pneumonia prevailed in the first quarter; in 1858, the first and second quarters show a larger percentage than the third, owing to the prevalence of scarlatina and measles. The year 1878 presents another marked exception to this rule, the number and percentage of the first quarter being the largest of the year; this is owing to the fact that a large proportion of the deaths from measles, bronchitis, pneumonia and congestion of the lungs occurred at that season. The number is smaller in the third quarter than it has been since 1873, and the percentage less than in any year since 1869. One reason for this is that the number of deaths from cholera infantum and diarrhoea, which usually prevail largely in the third quarter, was less in 1878 than in any year since 1871. The smallest percentage of the year is generally found in the second quarter, though there are many more exceptions to this than to the rule just spoken of. The prevalence of some epidemic has frequently raised the percentage of this quarter above that of the first or fourth, but it has never been made the largest in the year. The years 1856 and 1858 have already been mentioned and in 1874 also, there was a large percentage in the second quarter owing to many deaths from scarlatina, consumption, pneumonia and congestion of the lungs. In 1878, the percentage for this quarter was the smallest of the year.

Sex and Parentage. The decedents in 1878 were divided as to sex and parentage as follows:—

American parentage.....	441 males.....	448 females.....	Total, 889
Foreign parentage.....	528 males.....	572 females	Total, 1,100
Total.....	969 males.....	1,020 females.....	Total, 1,989

The number of females was 51 more than of males; of American parentage, 7 more; of foreign parentage, 44 more. The number of foreign parentage is 211 more than of American parentage; of males, 87 more; of females, 124 more, the excess of females among this class in 1878 being much greater than among the decedents of American parentage.

The decedents of both classes during the twenty-four years, 1855-1878 inclusive, were as follows, in regard to sex:—

1855-1878.....	Males, 15,423	Females, 16,041.....	Total, 31,464
----------------	---------------------	----------------------	---------------

The number of decedents in each ward, according to parentage, was as follows:—

Wards.	American.	Foreign.	Wards.	American.	Foreign.
I.....	106.....	158	VII.....	75.....	94
II.....	47.....	15	VIII.....	121.....	66
III.....	70.....	103	IX.....	146.....	153
IV.....	63.....	46	X.....	76.....	259
V.....	64.....	125	Public Institutions,	44.....	41
VI.....	71.....	37			
Whole city.....				889.....	1,100

Average Age. Table XIII. shows the number of deaths, and the aggregate and average age according to parentage, in each month of the year 1878:—

TABLE XIII. DEATHS, 1878.

Aggregate and Average Age, and Parentage.

1878.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January.....	101	3,183	31.51	107	2,364	22.09	208	5,547	26.67
February.....	61	1,483	24.31	114	2,489	21.83	175	3,972	22.70
March.....	77	2,250	29.22	81	1,604	19.80	158	3,854	24.39
April.....	80	2,580	32.25	84	2,219	26.42	164	4,799	29.26
May.....	58	1,843	31.77	73	2,123	29.08	131	3,966	30.27
June.....	51	2,061	40.41	77	1,942	25.22	128	4,003	31.27
July.....	92	1,967	21.38	111	1,879	16.93	203	3,846	18.95
August.....	70	2,183	31.18	105	1,818	17.31	175	4,001	22.86
September.....	75	2,274	30.32	67	1,805	26.94	142	4,079	28.72
October.....	60	1,703	28.38	100	2,060	20.60	160	3,763	23.52
November.....	65	2,170	33.38	100	2,398	23.98	165	4,568	27.68
December.....	99	3,027	30.58	81	2,477	30.58	180	5,504	30.58
Whole year.....	889	26,724	30.06	1,100	25,178	22.89	1,989	51,902	26.09

The average age of all decedents in 1878, was 26.09 years, which was 1.65 years less than in 1877; the average age of American decedents in 1878, 30.06 years, or 1.16 years less than in 1877; of decedents of foreign parentage, 22.89 years, or 1.78 years less than in 1877.

By comparing the different months in the two years, we find many variations. Among the decedents of American parentage, the average age in each of the first five months of 1878 is much less than in the corresponding months of 1877; in June the average age is much higher in 1878; in July it is slightly less, and in

Table XIV. shows differences of the same nature in the period of twenty-three years, 1856-1878 inclusive. The average age of the American decedents exceeds in every month, and in the whole year, that of the decedents of foreign parentage. In this table we find the highest average age of American decedents to be 36.30 years, in May; the lowest, 25.58 years, in July. Of foreign decedents, the highest average age is 25.78 years, in May; and the lowest, 18.04 years, in August. The highest average age of foreign decedents is but little above the lowest average among the Americans. The greatest difference between the two classes in any one month, for the long period of years, was 11.76 years, in February; the least difference, 7.35 years, in July. The difference between the two classes for the entire year, in the long period was 9.88 years.

These differences may be more plainly seen by putting the figures in the form of a table; it will be seen that in December, 1878, the average age was the same for both classes; in all other cases the average age of the decedents of foreign parentage, was less than that of the American decedents:—

Difference in years, between the average age of American and foreign decedents.

MONTHS.	1878.			23 years, 1856-1878.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January.....	31.51	22.09	9.42	34.20	24.86	9.34
February.....	24.31	21.83	2.48	33.84	22.08	11.76
March.....	29.22	19.80	9.42	34.84	24.73	10.11
April.....	32.25	26.42	5.83	33.88	25.69	8.19
May.....	31.77	29.08	2.69	36.30	25.78	10.52
June.....	40.41	25.22	15.19	34.57	23.95	10.62
July.....	21.38	16.93	4.45	25.58	18.23	7.35
August.....	31.18	17.31	13.87	27.36	18.04	9.32
September.....	30.32	26.94	3.38	29.33	19.19	10.14
October.....	28.38	20.60	7.78	32.92	22.81	10.11
November.....	33.38	23.98	9.40	33.41	25.25	8.16
December.....	30.58	30.58	0.00	36.12	25.58	10.54
Whole year. ...	30.06	22.89	7.17	32.50	22.62	9.88

Generally the difference is greater in the long period of time than in the single year; but in January, June, August and November, it is the reverse. The greatest contrast is in December, where for the year 1878 there is no difference; while in the long period of years the difference between the average age of the two classes is 10.54 years.

DEATHS: PERCENTAGE AT DIFFERENT AGES. 33

Number and percentage of decedents at different ages. Table XVI. gives the number and percentage, according to parentage, of decedents at different periods of life, in 1878, and in the twenty-three years, 1856-1878 inclusive:—

TABLE XVI. DEATHS, 1878.

Percentage at different ages, according to parentage.

AGES.	American Parentage. 1878.		Foreign Parentage. 1878.		Total American and Foreign. 1878.		23 Years, 1856 to 1878.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
Under 1 year.....	168	18.90	206	18.64	373	18.76	6,012	19.73
1 to 2	71	7.98	103	9.36	174	8.74	2,745	9.01
2 to 5.....	88	9.90	161	14.64	249	12.52	2,805	9.20
Total under 5.....	327	36.78	469	42.64	796	40.02	11,562	37.94
5 to 10.....	58	6.52	80	7.27	138	6.94	1,501	4.93
10 to 15.....	27	3.04	25	2.27	52	2.62	629	2.06
15 to 20.....	26	2.92	37	3.36	63	3.16	1,039	3.41
20 to 30.....	60	7.44	103	9.37	169	8.49	3,079	10.11
30 to 40.....	49	5.51	113	10.27	162	8.14	2,786	9.14
40 to 50.....	60	6.75	69	6.27	129	6.49	2,347	7.70
50 to 60.....	72	8.10	73	6.64	145	7.29	2,181	7.16
60 to 70.....	75	8.44	51	4.64	126	6.34	2,118	6.95
70 to 80.....	79	8.88	62	5.64	141	7.09	1,994	6.54
80 to 90.....	40	4.50	13	1.18	53	2.67	1,022	3.35
90 and over.....	10	1.12	5	.45	15	.75	215	.71
Total.....	889	100.00	1,100	100.00	1,989	100.00	30,473	100.00

By Table XIII. we saw that the average age of decedents of both classes was less in 1878 than in 1877; it corresponds with that fact to find by Table XVI. that the percentage of decedents under five years of age was larger in both classes in 1878, than in the preceding year. Of American decedents, the percentage of this class, in 1878, was 36.78, or 3.85 per cent. more than in 1877; of foreign decedents, the percentage was 42.64, or 1.38 per cent. more than in 1877; of the whole number of decedents, 40.02, or 2.66 per cent. more than in 1877.

The following recapitulation gives the percentage, according to parentage, of the decedents under five years old, in each of the twenty-three years, 1856-1878 inclusive:—

	American. Under five years.	Foreign. Under five years.	Total American and Foreign. Under five years.
1856.....	37.15 per cent	54.95 per cent.....	45.91 per cent.
1857.....	32.31 per cent	51.74 per cent.....	46.75 per cent.
1858.....	35.35 per cent.....	55.44 per cent	45.33 per cent.
1859.....	28.60 per cent.....	48.34 per cent.....	37.82 per cent.
1860.....	32.81 per cent.....	48.87 per cent.....	40.66 per cent.
1861	35.87 per cent	52.63 per cent.....	44.05 per cent.
1862.....	31.08 per cent.....	42.07 per cent.....	36.54 per cent.
1863.....	28.47 per cent.....	46.84 per cent.....	37.81 per cent.
1864.....	28.81 per cent.....	51.11 per cent.....	39.82 per cent.
1865... ..	29.95 per cent.....	46.37 per cent.....	37.82 per cent.
1866.....	23.78 per cent.....	40.53 per cent.....	32.24 per cent.
1867.....	24.05 per cent.....	36.35 per cent.....	29.59 per cent.
1868.....	27.35 per cent.....	43.19 per cent.....	34.69 per cent.
1869.....	30.78 per cent.....	43.24 per cent.....	37.02 per cent.
1870.....	31.00 per cent.....	42.67 per cent.....	36.72 per cent.
1871.....	28.62 per cent.....	36.01 per cent.....	32.22 per cent.
1872	30.89 per cent	40.00 per cent.....	35.27 per cent.
1873.....	30.39 per cent.....	43.05 per cent.....	36.71 per cent.
1874.....	34.02 per cent.....	43.55 per cent.....	39.31 per cent.
1875	32.06 per cent.....	40.96 per cent.....	36.66 per cent.
1876.....	34.29 per cent.....	43.13 per cent....	38.98 per cent.
1877.....	32.93 per cent.....	41.26 per cent.....	37.36 per cent.
1878.....	36.78 per cent.....	42.64 per cent.....	40.02 per cent.

During the thirty-nine years, 1840–1878 inclusive, the number of decedents in Providence was 43,618, of whom 17,297 were less than five years old ; the number and percentage at each age under five years were as follows : —

	Whole number of decedents.....	43,618
Under one year.....	8,517, or	19.53 per cent. of all.
One, and under two years.....	4,528, or	10.38 per cent. of all.
Two, and under five years.....	4,252, or	9.75 per cent. of all.
Total, under five years.....	17,297, or	39.66 per cent. of all.

Table XVII. shows the number and percentage according to parentage, of decedents at different periods of life, in the twenty-three years, 1856–1878 inclusive : —

TABLE XVII. DEATHS, 1856-1878.

Number and Percentage at different Ages according to Parentage.

AGE.	American Parentage, 23 years, 1856 to 1878.		Foreign Parentage, 23 years, 1856-1878.		American and Foreign Parentage, 23 years, 1856-1878.	
	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.
Under one year.....	2,638	17.41	3,374	22.03	6,012	19.73
1 and under 2.....	992	6.54	1,753	11.45	2,745	9.01
2 and under 5.....	1,135	7.49	1,670	10.90	2,805	9.20
Total under 5.....	4,765	31.44	6,797	44.38	11,562	37.94
5 and under 10	753	4.96	748	4.88	1,501	4.93
10 and under 15	341	2.24	288	1.88	629	2.06
15 and under 20....	560	3.60	479	3.13	1,039	3.41
20 and under 30.....	1,421	9.37	1,658	10.83	3,079	10.11
30 and under 40	1,318	8.69	1,468	9.58	2,786	9.14
40 and under 50.....	1,182	7.79	1,165	7.61	2,347	7.70
50 and under 60.....	1,251	8.25	930	6.07	2,181	7.16
60 and under 70.....	1,289	8.50	829	5.41	2,118	6.95
70 and under 80	1,358	8.96	636	4.15	1,994	6.54
80 and under 90....	774	5.16	248	1.62	1,022	3.35
90 and over.....	144	0.95	71	0.46	215	0.71
Totals.....	15,156	100.00	15,317	100.00	30,473	100.00

By Tables XIII. and XIV. it was shown that the average age of decedents of foreign parentage is almost always considerably less than that of American decedents. By Tables XVI. and XVII. we see how much larger is the percentage of deaths of young children in the former class than in the latter, both in the single year, and in the long series of years. The decedents of American parentage under five years of age, in the twenty-three years, 1856-1878, were 31.44 per cent. of the whole number; of foreign parentage, the decedents of this class were 44.38 per cent. of all. From 20 to 30 years of age, and from 30 to 40, the percentage of decedents was larger among the foreign; but beyond that age, the larger percentage is always of American parentage, 39.61 per cent. of the decedents living to the age of 40 years or more, while of the foreign decedents only 25.32 per cent. lived beyond that age.

By comparing Tables XVI. and XVII., it will be found that the percentage of decedents less than five years old, in 1878, was 2.08 per cent. above the average for the whole period of twenty-three years; the decedents of American parentage, 5.34 per cent. above the average; and the decedents of foreign parentage, 1.74 per

than one year old ; this is 3.78 per cent. more than those of the same class in the first quarter of 1877 ; of the 168 children under one year old, who died in the course of the year, the 43 who died in the first quarter were 25.60 per cent., or 8.31 per cent. more than in 1877.

Among the decedents of foreign parentage, these statistics are as follows : number of decedents in the third quarter, 283 ; number under one year old, 86, or 30.38 per cent., 0.11 per cent. less than in 1877 ; number of decedents under one year old, in the whole year, 205 ; number in third quarter, 86, or 41.95 per cent., 3.86 per cent. less than in 1877. Number of decedents in the first quarter, 302 ; number under one year old, 49, or 16.22 per cent., 2.47 per cent. less than in 1877. Number of decedents under one year old in the year 1878, 205 ; number in the first quarter, 49, or 23.90 per cent. ; 4.20 per cent. more than in 1877.

Causes of death ; sex, age, parentage, and percentage from each cause. Table XIX. gives the number of deaths in 1878 from each cause, according to sex and parentage, and in each division of age ; also the percentage from each cause, of all from *known* causes.

Season and disease. Table XX. also gives the number of deaths from each cause, but is different in detail, from Table XIX. It gives the number from each cause in each month and quarter, and in the whole year, and shows the comparative mortality from different diseases at different seasons.

TABLE XIX.—CONTINUED. DEATHS, 1878. *Disease, sex, age, parentage and percentage from each cause.*

2	1	1
1	1	1
1	1	1

TABLE XX. DEATHS, 1878. *Season and Disease.*

SUMMER.

FALL.

WINTER.

H.

NOTES ON THE CAUSES OF DEATH,

· DURING THE YEAR 1878.

These notes explain more particularly some of the facts that are given in Tables XIX. and XX., and also give some additional statistics; and compare these with the statistics for the twenty-three years, 1856–1878 inclusive.

The percentage of deaths from the different causes is always reckoned upon the number from *known* causes.

The whole number of deaths in Providence, in 1878, was 1,989, of which 16, or 0.80 per cent. were from unknown causes; this is 0.59 per cent. more than in 1877. The number of which the cause was stated, and on which all the percentages are reckoned, was therefore 1,973. During the twenty-three years, 1856–1878, the number of deaths was 30,473, of which 524, or 1.72 per cent. were from unknown causes, and 29,949 were from known causes. During the thirty-nine years, 1840–1878, the number of deaths was 43,618, of which 1,526, or 3.50 per cent. were from unknown causes, and 42,092 from known causes.

Table XX. gives the number of deaths from different causes in each month and quarter of the year, and shows what diseases prevail in the different seasons. A large proportion of the deaths from bronchitis occurred in the first quarter of the year; also of the deaths from measles, pneumonia and congestion of the lungs; about two-thirds of the deaths from diphtheria were in the first and last quarters of the year; the deaths from consumption were very evenly distributed through the year; the deaths from all diarrhoeal diseases, were chiefly in the third quarter; as usual, and the deaths from typhoid fever, in the third and fourth quarters of the year.

Abscesses. The number of deaths from abscesses in 1878, was 5, or 0.25 per cent. of all from known causes; this was one more and 0.04 per cent. more than in 1877. They were specified as

The following are the statistics for 23 years, 1856–1878 :—

Males, 301; females, 319; total, 620, or 2.07 per cent. of all.

American parentage, 446; foreign parentage, 174.

Brain, Diseases of. The number of deaths reported from diseases of the brain in 1878, was 67, or 3.40 per cent. of all from known causes; this was 15 less, and 0.85 per cent. less than in 1877; 7 were from “congestion”; 42, from “inflammation.” The number of each sex and parentage, as follows :—

Males, 37; females, 30; total, 67, or 3.40 per cent. of all.

American parentage, 27; foreign parentage, 40.

For the twenty-three years, 1856–1878 :—

Males, 638; females, 526; total, 1,164, or 3.89 per cent. of all.

American parentage, 613; foreign parentage, 551.

Bronchitis. There were 47 deaths from bronchitis in 1878, or 2.38 per cent. of all from known causes. Of these decedents, 20, or 42.55 per cent., were less than one year old.

Males, 18; females, 29; total, 47, or 2.38 per cent. of all.

American parentage, 19; foreign parentage, 28.

For the twenty-three years, 1856–1878 :—

Males, 160; females, 209; total, 369, or 1.23 per cent. of all.

American parentage, 164; foreign parentage, 205.

Cancers. The number of deaths from cancers in 1878 was 48, or 18 less than in 1877, and 2.44 per cent. of all. Of these decedents, 9 had cancer of the breast; 8, cancer of the stomach, and 10, cancer of the uterus. The 21 included in the table under the head of “various,” were as follows: rectum, 3; liver, 2, and one each of the throat, eye, tongue, kidney, thigh, pylorus, bowels, pancreas, sub-maxillary glands, testicle, left femur, and one ovarian; four were not specified. The decedents were divided as to sex and parentage as follows: males, 16; females, 32; American parentage, 26; foreign 22.

The statistics for the 23 years, 1856–1878, are :—

Males, 179; females, 516; total, 695, or 2.32 per cent. of all.

American parentage, 461; foreign parentage, 234.

The deaths in each of the last nine years have been :—

	Number.	Per cent.
1870.....	238.....	19.06
1871.....	194.....	15.66
1872.....	241.....	15.26
1873.....	231.....	13.57
1874.....	270.....	13.76
1875.....	299.....	15.79
1876.....	284.....	15.34
1877.....	294.....	15.23
1878.....	305.....	15.46

The number and percentage of the decedents from consumption in each division of age, were as follows for the year 1878, and for the period of 23 years, 1856 to 1878 inclusive :—

1878 23 years

The largest percentages are between the ages of 20 and 50 years; 66.23 per cent. of the decedents in 1878 being within those limits; 51.81 per cent. lived beyond the age of 30. The average age of decedents from all causes in 1878 was 26.09 years. Of the decedents from consumption in the twenty-three years, 1856–1878 inclusive, 53.65 per cent. lived beyond the age of 30 years; the average age of all decedents during that period was 27.53 years.

Convulsions. There were 56 deaths from convulsions in 1878, or 2.84 per cent. of all from known causes. This was 18 more deaths and 0.87 per cent. more than in 1877. As usual, most of these deaths were of very young children, 54 of the decedents being under 5 years old; one was between 5 and 10 years; and one between 15 and 20.

Males, 33; females, 23; total, 56, or 2.84 per cent. of all.
American parentage, 20; foreign parentage, 36.

The statistics for twenty-three years, 1856–1878, are as follows :

Males, 438; females, 351; total, 789, or 2.63 per cent. of all.
American parentage, 326; foreign parentage, 463.

Croup. There were 38 deaths from this cause in 1878; 2 less than in 1877, and 1.93 per cent. of all from known causes. The decedents were as follows in regard to age, sex and parentage: under 1 year, 4; between 1 and 2 years, 11; between 2 and 5 years, 18; between 5 and 10 years, 5. Males, 18; females, 20; American parentage, 18; foreign parentage, 20.

For the twenty-three years, 1856–1878, the statistics are :—

Males, 350; females, 346; total, 696, or 2.32 per cent. of all.
American parentage, 285; foreign parentage, 411.

Other statistics in relation to croup are given hereafter, in comparison with those of diphtheria.

Debility. This was reported as the cause of 37 deaths in 1878, including 12 from premature birth; the decedents were 33 under one year old; one between one and two years, and the other three were 50 years or over. The statistics are :—

Males, 20; females, 17; total, 37, or 1.88 per cent. of all.
American parentage, 23; foreign parentage, 14.

For the twenty-three years, 1856–1878 :—

Males, 287; females, 253; total, 540, or 1.80 per cent. of all.
American parentage, 224; foreign parentage, 316.

Diarrhœa and Dysentery. The number of deaths from these diseases in 1878 was as follows :—

	Male.	Female.	American.	Foreign.	Total.	Percentage.
Acute Diarrhœa.....	12.....	9.....	12.....	9.....	21.....	1.06
Chronic Diarrhœa	3.....	4.....	5	2.....	7.....	0.36
Dysentery.....	3.....	8.....	6.....	5.....	11	0.56
Total	18.....	21.....	23.....	16.....	39.....	1.98

The number of deaths was 16 less than in 1877; the percentage, 0.87 less. It is very remarkable to find the number of decedents of American parentage out-numbering those of foreign parentage,

as the reverse of this has generally been true. In this connection may be given the statistics concerning the deaths from the following diseases of a like nature, in 1878:—

	Males.	Females.	American.	Foreign.	Total.	Percentage.
Cholera Infantum.....	35.....	35.....	26.....	44.....	70.....	3.55
Cholera Morbus.....	2.....	1.....	—.....	3.....	3.....	0.15
Enteritis.....	7.....	11.....	8.....	10.....	18.....	0.91
Total.....	44.....	47.....	34.....	57.....	91.....	4.61

Combined with the figures already given on page 49, it makes the total of deaths from these five diarrhœal diseases in 1878, as follows:

Males, 62; females, 68; total, 130, or 6.59 per cent. of all.
American parentage, 57; foreign parentage, 73.

The number of deaths is 74 less than in 1877; the number in that year was 204, or 10.56 per cent. of all. In 1878 there were 44 less males; 30 less females; of American parentage, 23 less; of foreign parentage, 51 less.

The statistics of these five diseases for the twenty-three years, 1856–1878, are as follows:—

Number of deaths, 3,495; annual average, 152.
Males, 1,750; females, 1,745; total, 3,495, or 11.67 per cent. of all.
American parentage, 1,416; foreign parentage, 2,079.

The proportion of decedents of foreign to those of American parentage, in the twenty-three years, was 147 to 100, or 59.48 of foreign, and 40.52 of American parentage in each 100. One or two reasons for this may be given. The most of the decedents from these causes are generally young children; thus in 1878, 93 of the decedents, or 71.54 per cent., were less than two years old; and the proportion between the two classes, 128 of foreign to 100 of American parentage, or 56.15 of foreign, and 43.85 of American parentage in each 100. But the number of children born of foreign parentage is also much larger than the number of American parentage. In 1878 the number of children born was 2,627; of American parentage, 1,215; of foreign parentage, 1,412, or 116 of foreign to 100 of American parentage; or 53.75 of foreign and 46.25 of American parentage in each 100.

In the twenty-three years, 1856–1878, the number of children born was 43,900; of American parentage, 19,863; of foreign

parentage, 24,037; or 121 of foreign to 100 of American parentage, or 54.75 of foreign, and 45.25 of American parentage in each 100. The proportions of the two classes of decedents during this period have already been given, and it is easy to see why the foreign should so largely exceed the American, since there are so many more children living of the former than of the latter class.

The following table shows the number of deaths from each of these causes, with the number from the whole class of causes, and their percentage of all from known causes, reported in Providence during the period from 1840 to 1854 inclusive; during each year, from 1855 to 1878 inclusive, and in the aggregate during the whole period of 39 years, 1840 to 1878 inclusive:—

	Cholera Infantum.	Cholera Morbus.	Diarrhœa.	Dysentery.	Enteritis.	All Combined.	Per cent. of all from known causes.
1840-1854	560	63	349	796	102	1,870	16.77
1855	61	4	37	38	—	140	14.57
1856	57	5	29	35	6	132	11.17
1857	50	2	38	29	5	124	13.40
1858	49	2	27	12	8	98	9.63
1859	33	1	28	13	4	79	8.78
1860	68	2	21	18	9	118	11.78
1861	61	5	22	32	6	126	11.99
1862	44	1	31	22	9	107	11.70
1863	66	5	35	77	9	192	15.81
1864	58	4	45	40	13	160	12.49
1865	50	7	34	62	4	157	12.96
1866	47	17	28	44	9	145	13.99
1867	49	2	15	43	10	119	12.39
1868	70	3	24	15	8	120	10.81
1869	65	6	24	23	6	124	9.87
1870	93	3	22	16	15	149	11.92
1871	62	6	24	16	18	126	10.15
1872	151	10	52	35	14	262	16.58
1873	92	4	37	7	25	165	9.69
1874	134	3	50	17	25	229	11.67
1875	136	6	36	14	31	223	11.71
1876	122	4	40	22	18	206	11.13
1877	122	6	34	21	21	204	10.56
1878	70	3	28	11	18	130	6.59
39 y'rs' total	2,370	174	1,110	1,458	393	5,505	13.08

It will be noticed that the number of deaths from each of the five causes was less in 1878 than in the previous year; and the percentage from the five causes combined was less than in any other year given in the table.

The number of deaths from known causes in the thirty-nine years, 1840-1878, was 42,092.

Deaths from Asiatic cholera are not included in these statistics. They have been as follows: in 1849, 158; in 1854, 159; in 1866, 14; total, 331.

Diphtheria. This disease, though not causing quite so many deaths as in 1877, still prevailed in 1878 to so great an extent as to cause serious anxiety, and much inquiry as to the cause, and the means, if possible, of prevention. The number of decedents from it was 246, which was 49 less than in 1877; the particulars were as follows:—

Males, 136; females, 110; total, 246, or 12.47 per cent. of all.
American parentage, 105; foreign parentage, 141.

These deaths were in the different seasons of the year, as follows: first quarter, 81; second, 46; third, 32; fourth, 87. The mortality continues to be mostly among children, 226 of the decedents, or 91.87 per cent., being less than ten years old. The first cases of diphtheria reported in Providence were in 1858; for the twenty-one years, 1858–1878 inclusive, the statistics regarding it, are as follows:—

Deaths from all known causes in 21 years, 28,021.
From diphtheria, 986; annual average, 47.
Males, 497; females, 489; total, 986, or 3.52 per cent. of all.
American parentage, 473; foreign parentage, 513.

The 246 deaths from diphtheria in 1878 are more than five times the annual average, and form 24.95 per cent. of the whole number from this disease in the twenty-one years.

In the following table are given the statistics as to sex, parentage, season and locality, for each of the twenty-one years, 1858–1878, and for the whole period:—

DEATHS FROM DIPHTHERIA IN PROVIDENCE, TWENTY-ONE YEARS.

Year.	Age.	Sex.	Place of Birth.	Duration of Illness.	Cause of Death.
1850	10	M	Mass.	10 days	Asphyxia
1851	10	M	Mass.	10 days	Asphyxia
1852	10	M	Mass.	10 days	Asphyxia
1853	10	M	Mass.	10 days	Asphyxia
1854	10	M	Mass.	10 days	Asphyxia
1855	10	M	Mass.	10 days	Asphyxia
1856	10	M	Mass.	10 days	Asphyxia
1857	10	M	Mass.	10 days	Asphyxia
1858	10	M	Mass.	10 days	Asphyxia
1859	10	M	Mass.	10 days	Asphyxia
1860	10	M	Mass.	10 days	Asphyxia
1861	10	M	Mass.	10 days	Asphyxia
1862	10	M	Mass.	10 days	Asphyxia
1863	10	M	Mass.	10 days	Asphyxia
1864	10	M	Mass.	10 days	Asphyxia
1865	10	M	Mass.	10 days	Asphyxia
1866	10	M	Mass.	10 days	Asphyxia
1867	10	M	Mass.	10 days	Asphyxia
1868	10	M	Mass.	10 days	Asphyxia
1869	10	M	Mass.	10 days	Asphyxia
1870	10	M	Mass.	10 days	Asphyxia
1871	10	M	Mass.	10 days	Asphyxia
1872	10	M	Mass.	10 days	Asphyxia
1873	10	M	Mass.	10 days	Asphyxia
1874	10	M	Mass.	10 days	Asphyxia
1875	10	M	Mass.	10 days	Asphyxia
1876	10	M	Mass.	10 days	Asphyxia
1877	10	M	Mass.	10 days	Asphyxia
1878	10	M	Mass.	10 days	Asphyxia
1879	10	M	Mass.	10 days	Asphyxia
1880	10	M	Mass.	10 days	Asphyxia
1881	10	M	Mass.	10 days	Asphyxia
1882	10	M	Mass.	10 days	Asphyxia
1883	10	M	Mass.	10 days	Asphyxia
1884	10	M	Mass.	10 days	Asphyxia
1885	10	M	Mass.	10 days	Asphyxia
1886	10	M	Mass.	10 days	Asphyxia
1887	10	M	Mass.	10 days	Asphyxia
1888	10	M	Mass.	10 days	Asphyxia
1889	10	M	Mass.	10 days	Asphyxia
1890	10	M	Mass.	10 days	Asphyxia
1891	10	M	Mass.	10 days	Asphyxia
1892	10	M	Mass.	10 days	Asphyxia
1893	10	M	Mass.	10 days	Asphyxia
1894	10	M	Mass.	10 days	Asphyxia
1895	10	M	Mass.	10 days	Asphyxia
1896	10	M	Mass.	10 days	Asphyxia
1897	10	M	Mass.	10 days	Asphyxia
1898	10	M	Mass.	10 days	Asphyxia
1899	10	M	Mass.	10 days	Asphyxia
1900	10	M	Mass.	10 days	Asphyxia

The subject of the connection of season with the mortality from diphtheria is exceedingly interesting and important of itself, and still more so when the mortality from this disease is compared with that of scarlatina and croup. The following table shows the number and the percentage of deaths in Providence, from diphtheria, scarlatina, and croup, in each month and quarter of the year. The figures for scarlatina and croup include the aggregate mortality from these diseases during the twenty-four years, from 1855 to 1878 inclusive. The figures for diphtheria are for twenty-one years, from 1858 to 1878 inclusive.

MONTHS.	DIPHTHERIA. 1858-1878.		SCARLATINA. 1855-1878.		CROUP. 1855-1878.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	91	9.23	194	12.52	92	12.71
February.....	64	6.49	172	11.10	84	11.60
March.....	77	7.81	150	9.68	78	10.78
1st quarter.....	232	23.53	516	33.30	254	35.09
April.....	67	6.79	142	9.17	60	8.29
May.....	62	6.29	147	9.49	40	5.52
June.....	57	5.78	141	9.10	25	3.45
2d quarter.....	186	18.86	430	27.76	125	17.26
July.....	36	3.65	91	5.88	27	3.73
August.....	37	3.75	65	4.20	11	1.52
September.....	85	8.62	69	4.46	40	5.52
3d quarter.....	158	16.02	225	14.54	78	10.77
October.....	152	15.42	92	5.94	69	9.53
November.....	145	14.71	119	7.68	92	12.71
December.....	113	11.46	167	10.78	106	14.64
4th quarter.....	410	41.59	378	24.40	267	36.88
Totals.....	986	100.00	1,549	100.00	724	100.00

Dividing the year into periods of four months, the numbers and proportions are as follows:—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	299	30.32	658	42.47	314	43.38
2d 4 months.....	192	19.47	444	28.67	103	14.22
3d 4 months.....	495	50.21	447	28.86	307	42.40

Dividing the year into two periods, the numbers and proportions are:—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 6 months.....	418	42.39	946	61.06	379	52.35
2d 6 months.....	568	57.61	603	38.94	345	47.65

The general results of these figures are the same as given in previous reports, showing marked and characteristic differences in the three diseases, in respect to the season of their prevalence and mortality.

Diphtheria shows a large excess of mortality in the fall of the year, more than half of all the deaths from this disease occurring in the last four months of the year; and 57.61 per cent. of all, in the last six months.

Scarlatina shows a large excess of mortality in the first part of the year, 42.47 per cent. of all the deaths occurring in the first four months of the year, and 61.06 per cent. of all, in the first six months.

Croup shows but a slight difference between the first quarter and the last quarter of the year, the mortality evidently depending more upon severity of cold than upon other causes.

In the aggregate for the whole period included in the tables, the smallest monthly mortality from scarlatina and croup, was in August; from diphtheria the mortality was slightly less in July than in August. The greatest monthly mortality was: from diphtheria, 15.42 per cent., in October; from scarlatina, 12.52 per cent. in January; from croup, 14.64 per cent. in December.

If we notice the preceding table, “Deaths from Diphtheria in twenty-one years,” we shall see that though there were some deaths every year from the beginning of the disease in 1858 to the year 1875, the number each year was small.

There were only five deaths from the disease in each of three years, during the period, and the greatest number in any year was forty-two. The whole number of deaths from diphtheria in the 18 years from 1858 to 1875 inclusive, was only 334, or an average of 18.5 annually. But in 1876 a severe epidemic of the

disease began in Providence, and in the three years from 1876 to 1878 inclusive, there were 652 deaths from diphtheria, or nearly twice as many in three years as in the 18 years previous.

It naturally became an interesting question to know the difference in the statistics of the disease when epidemic and when not epidemic. I have, therefore, had the following table prepared which shows, side by side, certain statistics of diphtheria in Providence, *first*, for 18 years, from 1858 to 1875 inclusive, when the disease was not at any time epidemic; *second*, for the three years, from 1876 to 1878 inclusive, when the disease prevailed as a very severe epidemic, and *third*, for the two periods combined:—

MONTHS.	DIPHTHERIA. 1858-1875.		DIPHTHERIA. 1876-1878.		DIPHTHERIA. 1858-1878.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	31	9.28	60	9.20	91	9.23
February.....	32	9.58	32	4.91	64	6.49
March.....	32	9.58	45	6.90	77	7.81
1st quarter.....	95	28.44	137	21.01	232	23.53
April.....	19	5.69	48	7.36	67	6.79
May.....	15	4.49	47	7.21	62	6.29
June.....	23	6.89	34	5.21	57	5.78
2d quarter.....	57	17.07	129	19.78	186	18.86
July.....	19	5.69	17	2.61	36	3.65
August.....	10	2.99	27	4.14	37	3.75
September.....	25	7.49	60	9.20	85	8.62
3d quarter.....	54	16.17	104	15.95	158	16.02
October.....	40	11.98	112	17.18	152	15.42
November.....	45	13.47	100	15.34	145	14.71
December.....	43	12.87	70	10.74	113	11.46
4th quarter.....	128	38.32	282	43.26	410	41.50
Totals.....	334	100.00	652	100.00	986	100.00
Males.....	162	48.50	335	51.38	497	50.71
Females.....	172	51.50	317	48.62	489	49.29
American.....	106	58.68	277	42.48	473	47.97
Foreign.....	138	41.32	375	57.52	513	52.03

It will be seen that the percentages of deaths in the different months vary greatly in the first two columns; January is nearly the same in both columns; February and March show a greatly reduced mortality, as compared with other months, when the disease is

epidemic ; April and May show an increased mortality, and June and July a largely decreased mortality when the disease is epidemic. After July there is an increased proportional mortality, when the disease is epidemic, in each month until December. By quarters of the year there is a decreased comparative mortality when the disease is epidemic, in the first and third quarters, and an increased mortality in the second and fourth quarters.

By periods of four months the percentages of mortality were as follows :—

DIPHTHERIA.

SEASONS.	1858-1875.		1876-1878.		1858-1878.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	114	34.13	185	28.37	299	30.32
2d 4 months.....	67	20.06	125	19.17	192	19.47
3d 4 months.....	153	45.81	342	52.46	495	50.21

By periods of six months, the percentages of mortality were as follows :—

DIPHTHERIA.

SEASONS.	1858-1875.		1876-1878.		1858-1878.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 6 months.....	152	45.51	266	40.79	418	42.39
2d 6 months.....	182	54.49	386	59.21	568	57.61

These figures show a marked difference in the season of mortality from diphtheria when the disease is epidemic, and when not epidemic. They also confirm and make more marked the general law in regard to the season of diphtheria as stated on page 55 of this report, and in previous reports.

If we refer again to the table, page 56, we find, in regard to sex and parentage very great differences in the mortality of diphtheria, when epidemic and when not epidemic, the proportions being almost exactly reversed. Thus in the first period, when diphtheria was not epidemic, the decedents were 48.50 males, and 51.50 females in each 100 ; but in the second period when the disease

from known causes ; an annual average of 59. The following are the particulars for each year :—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	8.....	13.....	16.....	5	21.....	2.03
1857.....	13.....	18.....	22.....	9	31.....	3.45
1858.....	13.....	23.....	28.....	8.....	36.....	3.61
1859.....	13.....	11.....	17.....	7.....	24.....	2.76
1860.....	15.....	16.....	21.....	10	31.....	3.23
1861.....	23.....	18.....	29.....	12.....	41.....	4.05
1862.....	26.....	23.....	33.....	16.....	49.....	5.54
1863.....	23.....	19.....	30.....	12.....	42.....	3.54
1864.....	26.....	32.....	44.....	14.....	58.....	4.63
1865.....	18.....	29.....	33.....	14.....	47.....	3.95
1866.....	19.....	21.....	27.....	13.....	40.....	3.95
1867.....	26	23	35.....	14	49.....	5.19
1868	25.....	27.....	34	18.....	52.....	4.79
1869.....	33.....	29.....	35.....	27.....	62.....	5.00
1870.....	28.....	31... ..	33.....	26.....	59.....	4.72
1871.....	40.....	37.....	46.....	31.....	77.....	6.22
1872.....	43.....	49.....	63	29.....	92.....	5.82
1873.....	46.....	54.....	59..	41.....	100.....	5.88
1874.....	46.....	58.....	62.....	42.....	104.....	5.29
1875.....	43.....	45.....	47.....	41.....	88.....	4.65
1876.....	41.....	47.....	51.....	37.....	88.....	4.75
1877.....	47.....	46.....	53.....	40.....	93.....	4.81
1878.....	39.....	44.....	45.....	38.....	83.....	4.21
23 years' total.	654	713.....	863.....	504.....	1,367.....	4.56

Hemorrhage. The number of deaths reported from this cause in 1878, was 14; 5 more than in 1877, and 0.70 per cent. of all from known causes ; males, 5 ; females, 9 ; American parentage, 5 ; foreign, 9. So far as specified, 6 were from hemorrhage from the lungs ; 2, hemorrhage from the stomach ; 2, umbilical ; 1, uterine ; 1 from the bowels, and 1 from hemorrhoids.

Hernia. This was stated as the cause of 5 deaths, in 1878 ; 2 males, and 3 females ; 3 of American, and 2 of foreign parentage ; total, 5 or 0.25 per cent. of all from known causes.

Hooping Cough. The number of deaths from this cause in 1878, was 43 ; this is a larger number than has ever before been recorded in these reports. The decedents were as follows in regard to age : 17 under one year ; 15, between 1 and 2 years ; 9 between 2 and 5 years ; 2, between 5 and 10 years. There were deaths from this cause in each month of the year, except May, but the largest number occurred in the third quarter, viz. : 23, or 53.49 per cent. of all ; the deaths in each month were as follows :—

Insanity. The number of deaths reported from this cause in 1878, was 17; the largest number that has ever been recorded. Males, 3; females, 14; American parentage, 11; foreign parentage, 6; total, 17, or 0.86 per cent. of all from known causes.

The statistics for the twenty-three years, 1856-1878, are:—

Whole number, 236; annual average, 10.

Males, 112; females, 124; total, 236, or 0.79 per cent. of all.

American parentage, 170; foreign parentage, 66.

As has been frequently stated in these reports, so large a number of deaths from insanity is owing to the fact that Butler Hospital for the insane is within the limits of the city; and a large majority of the deaths occur there, many of the decedents not being residents of the city. It is owing to this also, that so large a proportion of the decedents are of American parentage; that class being more largely represented there than the foreign.

Intemperance. There were 9 deaths from this cause in 1878; 2 of which were from delirium tremens. Number of males, 6; females, 3; American parentage, 3; foreign, 6; total, 9, or 0.46 per cent. of all from known causes.

The following statistics are for the twenty-two years, 1857-1878:

Whole number from known causes, 28,921.

From intemperance, 222; annual average, 10.

Males, 161; females, 61; total, 222, or 0.77 per cent. of all.

American parentage, 64; foreign parentage, 158.

Of the 222 decedents, 72.52 per cent. are males; and 71.17 per cent. are of foreign parentage.

Kidneys, Diseases of. The number of deaths in 1878 from diseases of the kidneys, was 47; of which 33 were from Bright's disease.

Males, 30; females, 17; total, 47, or 2.38 per cent. of all.

American parentage, 23; foreign parentage, 24.

The statistics for twenty-three years, 1856-1878:—

Whole number, 437; annual average, 19.

Males, 260; females, 177; total, 437, or 1.46 per cent. of all.

Liver, Diseases of. The deaths from diseases of the liver numbered 18, or 0.91 per cent. of all from known causes; males, 9; females, 9; American parentage, 10; foreign, 8.

For the twenty-three years, 1856–1878, the numbers are as follows :—

Whole number, 337; annual average, 15.

Males, 168; females, 169; total, 337, or 1.13 per cent. of all.

American parentage, 166; foreign parentage, 171.

Malformations. Twenty-two deaths were reported from this cause in 1878; 6 more than in 1877, and 1.12 per cent. of all from known causes; number of males, 15; of females, 7; of American parentage, 10; of foreign, 12.

They were specified as follows: in ten cases, malformation of the heart; in 6, spina bifida; in 3, of the anus; and one each of the palate, lungs, and rectum.

The following are the statistics for the twenty-three years, 1856–1878 :—

Males, 110; females, 64; total, 174, or 0.58 per cent. of all.

American parentage, 114; foreign parentage, 60.

Marasmus. This was returned as the cause of 41 deaths in 1878; 14 more than in 1877, and 2.08 per cent. of all from known causes; males, 25; females, 16; American parentage, 14; foreign, 27.

The statistics are as follows for the twenty-three years, 1856–1878 :—

Whole number, 590: annual average, 26.

Males, 316; females, 274; total, 590, or 1.97 per cent of all.

American parentage, 296; foreign parentage, 294.

Measles. This disease has appeared in Providence as an epidemic at very irregular intervals, and in 1878 was the cause of 50 deaths, a larger number than ever before recorded. The following table shows the number in each year since 1856 :—

1856..... 1	1862..... 1	1868..... 4	1874..... 4
1857..... 2	1863.....16	1869..... 6	1875..... 0
1858.... 40	1864..... 7	1870.....16	1876..... 0
1859..... 0	1865..... 7	1871..... 1	1877..... 2
1860..... 0	1866..... 9	1872..... 7	1878..... 50
1861..... 6	1867..... 0	1873.....28	—
			Total, 23 years....207

The decedents in 1878 were divided as to age, as follows: 11 under 1 year; 14, between 1 and 2 years; 15, between 2 and 5 years; 9 between 5 and 10; and 1 between 10 and 15.

Forty-five of the deaths, or 90 per cent. of all, were in the first quarter of the year; 11, in January; 22, in February; and 12 in March; there were 4 deaths in April, and 1 in June; none in the last six months of the year.

It may be said of this as it has already been said of whooping-cough, that in a large majority of cases it is attended or followed by some other disease, which yet could not be considered as really the cause of death. In only 8 cases was measles alone returned as the cause; in 15 cases, it was accompanied by pneumonia; in 8, by croup; in 7, by bronchitis, (which, in 2 instances was specified as "capillary"); in 7, by convulsions; in 3, by meningitis; and in 1 each, by whooping-cough, and uremia; there was one case in which it was followed by marasmus, and the death was assigned to that cause.

The 50 deaths were 2.53 per cent. of all from known causes. Males, 25; females, 25; American parentage, 16; foreign, 34.

The decedents were 68 per cent. of foreign parentage, and 32, of American; this has generally been the rule, as may be seen from the following statistics for the twenty-three years, 1856-1878:

Males, 100; females, 107; total, 207, or 0.69 per cent. of all.

American parentage, 60; foreign parentage, 147.

In the long period of time the decedents are 71.01 per cent. of foreign, and 28.99 of American parentage.

Meningitis, Cerebro-Spinal. The number of deaths from this cause in 1878 was 7, the same as in 1877.

Males, 4; females, 3; total, 7, or 0.36 per cent. of all.

American parentage, 3; foreign parentage, 4.

Since 1864, when the first deaths were reported in Providence, from this cause, the number in each year has been as follows:—

1864.....	2	1870.....	0	1876.....	4
1865.....	2	1871.....	12	1877.....	7
1866.....	1	1872.....	10	1878.....	7
1867.....	0	1873.....	39		—
1868.....	1	1874.....	10	Total, 15 years...	101
1869.....	0	1875.....	6		

Only a small proportion of those who live to an advanced age are reported under this head, as may be seen from the following numbers :—

During the year 1878, there were 209 decedents of the age of 70 years or over ; 129 of American, and 80 of foreign parentage ; this was 10.59 per cent. of all from known causes.

In the twenty-three years, 1856–1878, the number of decedents of 70 years old and over, was 3,231, or 10.79 per cent. of all from known causes ; 2,276 of American, and 955 of foreign parentage.

Paralysis. Though not in reality a distinct disease, but a symptom, of which the primary cause should be specified more frequently than it is, yet paralysis alone is often reported as the cause of death. It was reported in 1878 as the cause of 24 deaths, the same number as in each of the two years preceding.

Males, 10; females, 14; total, 24, or 1.22 per cent. of all.
American parentage, 18; foreign parentage, 6.

The statistics for the twenty-three years, 1856–1878, are as follows :

Whole number, 878; annual average, 16.
Males, 193; females, 185; total, 378; or 12.62 per cent. of all.
American parentage, 286; foreign parentage, 92.

These deaths being of a similar nature with those from apoplexy, the statistics for the two causes are here given for each of the twenty-three years, 1856–1878 :—

Years.	Apoplexy.	Paralysis.	Total.	Years.	Apoplexy.	Paralysis.	Total.
1856.....	21.....	2	23	1868.....	22.....	24.....	46
1857.....	18.....	9.....	27	1869.....	32.....	16.....	48
1858.....	15.....	3.....	18	1870.....	28.....	24.....	52
1859.....	16.....	6	22	1871.....	33.....	.. 28.....	61
1860.....	17.....	11.....	28	1872.....	31....	.. 20.....	51
1861.....	14.....	11.....	25	1873.....	36.....	21.....	57
1862.....	19.....	5	24	1874.....	36... ..	23	59
1863	20.....	8	28	1875.....	41.....	35.....	76
1864.....	13....	.. 16.....	29	1876.....	44... ..	24... ..	68
1865.....	20.....	18.....	38	1877.....	50	24.....	74
1866.....	21.....	8.....	29	1878.....	42.....	24.....	66
1867.....	31.....	18.....	49		—	—	—
				Totals, 23 y'rs.. 620..... 378..... 998			

The statistics of both causes, as to sex and parentage, for the twenty-three years, are :—

SCARLATINA IN PROVIDENCE, TWENTY-FOUR YEARS.

The decedents in 1878, were divided as to age, as follows : under 1 year, 5 ; between 1 and 2 years, 7 ; between 2 and 5 years, 23 ; between 5 and 10 years, 18 ; between 10 and 15 years, 2 ; between 15 and 20 years, 1 ; and between 20 and 30 years, 1. There were 6 deaths in the first quarter of the year ; 8, in the second ; 18, in the third ; and 25, in the fourth.

Males, 25 ; females, 32 ; total, 57, or 2.89 per cent. of all.

American parentage, 17 ; foreign parentage, 40.

The statistics for the twenty-three years, 1856-1878, are :—

Whole number, 1,507 ; annual average, 66.

Males, 721 ; females, 786 ; total, 1,507, or 5.03 per cent. of all.

American parentage, 633 ; foreign parentage, 874.

Scrofula. There were 7 deaths from scrofula, in 1878 ; males, 3 ; females, 4 ; American parentage, 6 ; foreign, 1 ; total, 7, or 0.36 per cent. of all from known causes.

Small-Pox. There have been no deaths from small-pox in Providence, since 1875. For the twenty-three years, 1856-1878, the statistics are as follows :—

Males, 58 ; females, 21 ; total, 79, or 0.26 per cent. of all.

American parentage, 48 ; foreign parentage, 31.

The particulars for each year are as follows :—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	0.87
1857.....						
1858.....						
1859.....	2.....	3.....	5.....		5..	0.57
1860	4.....	1.....	3.....	2.....	5 ...	0.52
1861.....						
1862.....	2.....	2.....	1.....	3.....	4.....	0.45
1863						
1864.....	7.....		3.....	4.....	7.....	0.56
1865.....	9.....	2.....	8.....	3.....	11.....	0.93
1866.....						
1867.....	1.....		1.....		1.....	0.11
1868.....	1.....		1.....		1.....	0.09
1869.....	3.....		3.....		3.....	0.24
1870.....		2.....		2.....	2.....	0.16
1871.....		3.....	1.....	2.....	3.....	0.24
1872.....	9.....	4.....	9.....	4.....	13.....	0.82
1873..	12.....	2.....	8.....	6.....	14.....	0.82
1874.....						
1875.....	1.....			1.....	1.....	0.05
1876.....						
1877.....						
1878.....						
23 years' total.	58.....	21.....	48.....	31.....	79.....	0.26

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Spine, Disease of. The number of deaths from this cause in 1878 was 4, or 0.20 per cent. of all from known causes; 2 males, and 2 females; 1 of American, and 3 of foreign parentage.

Spleen, Disease of. There was one death from this cause in 1878; a male, of foreign parentage.

Stomach, Diseases of. The number of deaths from diseases of the stomach in 1878, was 14; 6 less than in 1877, and 0.71 per cent. of all from known causes; males, 5; females, 9; American parentage, 3; foreign parentage, 11.

Suicide. There were 7 cases of suicide in 1878; 5 less than in 1877, and 0.36 per cent. of all from known causes. Males, 4; females, 3; American parentage, 2; foreign, 5. In three cases it was by laudanum; in two by pistol shot; in one by drowning; and in one by cutting the throat.

The statistics for the twenty-three years, 1856–1878, are:—

Males, 98; females, 41; total, 139, or 0.46 per cent. of all.

American parentage, 79; foreign parentage, 60.

Teething. The number of deaths reported from this cause in 1878, was 7; the same number as in each of the two years preceding, and 0.36 per cent. of all from known causes. Six of the decedents were males, and 1 female; 4 of American, and 3 of foreign parentage.

Tuberculosis. The number of deaths ascribed to this cause in 1878, was 17; three less than in 1877, and 0.86 per cent. of all from known causes; males, 9; females, 8; of American parentage, 9; of foreign, 8.

There are other tubercular diseases, such as consumption, hydrocephalus, and others, which if united under one general head, would show a much larger percentage of the whole number of deaths, than any other cause.

Tumors. The number of deaths from tumors in 1878, was 6; 2 more than in 1877, and 0.30 per cent. of all from known causes.

Males, 1 ; females, 5 ; American parentage, 1 ; foreign, 5. Three were ovarian ; one, abdominal ; and one of the neck. There were also others that were classed under the head of disease of the organ affected.

Uterus, Disease of, was the cause of 5 deaths in 1878 ; 0.25 per cent. of all from known causes ; all the decedents were of foreign parentage.

Unknown causes. The number of deaths in 1878, of which the cause was not stated, was 16, or 0.80 per cent. of all deaths. This was 10 more than in 1877 ; the decedents were 8 males, and 8 females ; 4 of American, and 12 of foreign parentage. Twelve were children under one year old.

The statistics for the twenty-three years, 1856–1878, are :—

Whole number, 524 ; annual average, 23.

Males, 273 ; females, 251 ; total, 524, or 1.72 per cent. of all.

American parentage, 170 ; foreign parentage, 354.

Of the 524 decedents, 67.56 per cent. were of foreign parentage.

STILL-BORN.

The statistics in regard to this class for 1878, are as follows:—

Number. The number of still-born children in Providence, in 1878, was 139; 6 less than in 1877, and 5.29 per cent. of the 2,627 children born during the year, or one in 18.90.

Sex. The number of males, was 81; of females, 58; 5 less males, and 1 less female than in 1877.

Color. White, 132; colored, 7.

Locality. First ward, 22; second, 6; third, 14; fourth, 10; fifth, 10; sixth, 9; seventh, 14; eighth, 18; ninth, 17; tenth, 19.

Season. January, 12; February, 13; March, 19; April, 15; May, 6; June, 6; July, 10; August, 17; September, 12; October, 8; November, 9; December, 12.

The number and percentage in each quarter of the year were as follows:—

	Number.	Per cent.		Number.	Per cent.
1st quarter.....	44.....	31.66	8d quarter.....	39.....	28.06
2d quarter.....	27.....	19.42	4th quarter.....	29.....	20.86

Parentage. In the following table, the first letter indicates the birth-place of the father; the second, that of the mother:—

A. and A	55	It. and It	1	I. and E.....	1
I. and I.....	50	E. and A.....	2	S. and E.....	1
E. and E.....	2	S. and A.....	2	A. and B. A.....	3
S. and S.....	1	G. and A.....	1	F. and B. A.....	1
G. and G.....	1	A. and I	11	A. and D.....	1
Sw. and Sw.....	1	E. and I.....	2	F. and I.....	1
I. and A.....	1	A. and E.....	1	Total.....	139

A.—American; I.—Irish; E.—English; S.—Scotch; G.—German; Sw.—Swedish; It.—Italian; B. A.—British American; F. French; D.—Dutch.

GENERAL SUMMARY.

The following recapitulatory table will give the general results of registration in Providence during the 24 years, 1855 to 1878, inclusive :—

TABLE XXI. BIRTHS, MARRIAGES, AND DEATHS

YEAR.	Population.	Births.	To population, one birth in	Marriages.	Of population, one person married in	Deaths.	Of population, one death in
1855.....	85	1,600	29.86	636	37.55	891	48.22
1856.....	27	1,575	29.59	656	37.14	1,065	45.76
1857.....	37	1,688	29.30	614	40.27	825	53.46
1858.....	57	1,724	28.68	600	44.16	1,017	48.63
1859.....	00	1,593	31.45	616	40.66	890	55.72
1860.....	06	1,648	30.74	633	40.02	1,001	50.61
1861.....	06	1,725	29.37	547	45.31	1,051	48.21
1862.....	38	1,529	34.16	547	47.75	914	57.18
1863.....	24	1,307	40.56	610	43.46	1,214	43.67
1864.....	10	1,344	40.04	738	38.40	1,231	42.01
1865.....	05	1,295	42.06	709	38.50	1,211	45.06
1866.....	09	1,632	34.13	812	34.30	1,030	53.77
1867.....	24	1,624	34.90	855	33.23	980	59.19
1868.....	36	1,696	34.37	872	36.77	1,110	57.78
1869.....	22	1,819	35.67	930	39.76	1,256	52.96
1870.....	04	1,689	35.48	959	36.93	1,203	54.56
1871.....	11	1,960	36.74	943	38.13	1,254	57.42
1872.....	18	2,206	34.05	1,094	34.63	1,603	40.85
1873.....	25	2,128	30.76	1,150	34.01	1,719	46.51
1874.....	52	2,780	34.69	1,175	41.01	1,067	49.54
1875.....	75	2,604	37.79	1,079	45.66	1,015	52.57
1876.....	08	2,631	35.68	949	53.48	1,865	54.42
1877.....	75	2,543	39.58	953	52.62	1,938	51.56
1878.....	00	2,627	38.45	1,018	49.70	1,909	50.78
Average.....	66,506	1,806	35.12	819	40.06	1,311	50.90

BIRTHS AND DEATHS BY PARENTAGE.

The following recapitulatory table shows the number of births and deaths, by parentage, in Providence, in each of the twenty-three years, from 1856-1878 inclusive. In the three years, 1863, 1864, and 1865, there was an excess of deaths over the births, in the population of American parentage :—

TABLE XXII.

CITY ORDINANCES.—CHAPTER XLVII.

REGISTRATION OF DEATHS.

SECTION 1. There shall be appointed by the City Council a sufficient number of persons to act as undertakers, removable at the pleasure of the City Council.

SEC. 2. Whenever any person shall die in the city, the physician attending in his or her last sickness shall furnish to the undertaker attending the funeral, or to the city registrar, a certificate, giving the name of the person, date of death, and the disease or cause of his or her death.

SEC. 3. No person shall bury, or place in the tomb, or remove from the city, or otherwise dispose of the body of any human being who shall die in the city, without first reporting the death to the city registrar, and obtaining a permit from him.

SEC. 4. No permit shall be given as provided in section three, until the city registrar is furnished with the information in relation to the deceased person, required by the laws of the State, for record, so far as the same can be ascertained, together with the physician's certificate of the cause of death, whenever a physician has been in attendance, or a coroner's certificate, whenever a coroner's inquest has been held.

Whenever a permit for burial is applied for, in a case of death without the attendance of a physician, or if it is impossible to obtain the physician's certificate, the city registrar shall investigate the case so far as may be necessary, and when he has obtained satisfactory evidence in relation to the cause and circumstances of the death, he shall sign the certificate and give the required permit. If not satisfied in relation to the cause and circumstances of the death, or if, in his opinion, the public good requires it, he shall report the case to a coroner for investigation.

SEC. 5. Whenever the body of a human being who has died out of the city shall be brought here for burial, the undertaker, or other person attending the funeral, shall furnish the report required in sections three and four, with the exception of the physician's certificate.

SEC. 6. All funerals shall take place between sunrise and sunset, unless otherwise permitted or directed by the board of health. The top of every coffin deposited in the ground shall be at least three feet below the usual surface thereof.

SEC. 7. The city registrar shall cause an abstract of the returns of deaths made to him to be published in all the newspapers which contract to do the city printing, monthly, and oftener if required by the board of health. He shall also, on or before the first day of April, annually, prepare and present to the city council a statement of the number of births, marriages and deaths which occurred in the city during the year ending with the thirty-first day of December next preceding, with such other information and suggestions in relation thereto as he may deem useful for the promotion of the public health, and other interests of the city.

SEC. 8. No undertaker or other person shall bury or cause to be buried the body of any deceased person in the city, except in such grounds as are or may be designated as burying-grounds, and authorized to be used as such.

SEC. 9. Every person violating any provision of this chapter shall pay a fine of not less than five and not more than twenty dollars for each offence.

THE NEW YORK
PUBLIC LIBRARY
P 34164
ASTOR, LENOX AND
TILDEN FOUNDATIONS
1889.

1880.]

CITY DOCUMENT.

[No. 18.]

TWENTY-FIFTH ANNUAL REPORT

UPON THE

BIRTHS, MARRIAGES, AND DEATHS

IN THE

CITY OF PROVIDENCE:

FOR THE YEAR

1879,

By **EDWIN M. SNOW, M. D.,**

SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.

PROVIDENCE:
PROVIDENCE PRESS CO., PRINTERS TO THE CITY.
1880.

THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved June 2, 1880.]

RESOLVED, That the twenty-fifth annual report of the City Registrar, for the year ending December 31, 1879, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy : witness,

HENRY V. A. JOSLIN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE, }
PROVIDENCE, May 20, 1880. }

To the Honorable the City Council :

Herewith I send my Twenty-Fifth Annual Report upon the Births, Marriages, and Deaths in the city of Providence. The statistics are for the year ending December 31, 1879. During that year 2,522 children were born in Providence, 2,142 persons were married, and 2,026 persons died in the city. Compared with the year 1878, the number of births was 105 less; of persons married, 110 more; and of deaths, 37 more.

Estimating the population of Providence, in the middle of the year 1879, at 103,000, we have the ratio of births, marriages, and deaths for the year, to population, as follows :—

One birth in 40.84, or 24.49 in each 1,000.

One person married in 48.08, or 20.80 in each 1,000.

One person died in 50.84, or 19.67 in each 1,000.

The twenty-five annual reports that I have presented as City Registrar, give the statistics of 48,022 children born, of 41,432 persons married, and of 33,490 persons who have died in the city of Providence. This is a total of 122,944 names that are contained in the records, with very full and minute particulars relating to each.

EDWIN M. SNOW, M. D.,
Superintendent of Health and City Registrar.

CITY REGISTRAR'S REPORT.

1879.

BIRTHS.

There were 2,522 children born in the city of Providence during the year 1879.

Table I. gives the number of children born in each ward of the city, in each month and quarter of the year; also the number of each sex, and the number of colored children born in the whole city, in each month and quarter:—

TABLE I. BIRTHS, 1879. *Wards, Months, Sex, and Color.*

BIRTHS: SEX.

3

Births in	January.	February.	March.	April.	May.	June.
25 years, 1855-1879.....	2,782	3,663	4,301	3,716	3,973	4,236
Daily average.....	4.82	5.23	5.42	4.96	5.13	5.63

Births in	July.	August.	Sept.	Oct.	Nov.	Dec.
25 years, 1855-1879.....	3,941	4,067	4,985	4,153	4,046	4,203
Daily average.....	5.06	5.21	5.29	5.36	5.29	5.55

Whole number of births in 25 years, 49,023; daily average, 5.33.

The highest daily average for the whole period was in June; the lowest in January.

Sex and Locality. Table II. shows the number of children of each sex, born in each ward of the city, in each quarter of the year, and in the whole year 1879:—

TABLE II. BIRTHS, 1879. *Wards, Sex, and Season.*

1879

1879

1879

1879

Proportion of the Sexes. The whole number of children born in Providence in 1879 was 2,522, of whom 1,227 were males, and 1,225 females; this gives a proportion of 105.9 boys, to 100 girls; or 51.43 boys, and 48.57 girls in each 100 children born.

The number and proportion of each sex in the different quarters of the year 1879 were as follows:—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	309 and	278, or 111.1 to 100, or 52.64 to 47.36 in each 100 born.				
April-June.....	331 and	317, or 104.4 to 100, or 51.06 to 48.93 in each 100 born.				
July-Sept.....	317 and	333, or 95.3 to 100, or 48.77 to 51.23 in each 100 born.				
Oct.-Dec.....	340 and	327, or 114.5 to 100, or 53.28 to 46.72 in each 100 born.				
Whole Year.....	1,227 and 1,225, or 105.9 to 100, or 51.43 to 48.57 in each 100 born.					

Color. The number of colored children born in Providence in 1879 was 104; the number having been the same now in three successive years; 58 were males, and 46 females; a proportion of 126.1 male to each 100 female children; or 55.77 males and 44.23 females in each 100 born. The births in the different wards were as follows: First ward, 13; second, 10; third, 8; fourth, 2; fifth, 1; sixth, 18; seventh, 10; eighth, 14; ninth, 27; tenth, 1. The following is the number in each month: January, 12; February, 7; March, 8; April, 13; May, 6; June, 16; July, 9; August, 3; September, 4; October, 9; November, 4; December, 13.

In the twenty-four years, 1856–1879 inclusive, there were 1,803 colored children born in Providence; 959 males, and 844 females; a proportion of 113.6 males to each 100 females; or 53.19 males, and 46.81 females in each 100 children born.

The statistics of births, marriages and deaths among the colored people of the city, in the 24 years, 1856–1879 inclusive, are as follows:

Twenty-three years, 1856–1878..	1,699 births.....	828 marriages.....	1,787 deaths.
1879.....	104 births.....	43 marriages.....	112 deaths.
<hr/>			
Twenty-four years, 1856–1879.....	1,803 births.....	871 marriages.....	1,899 deaths.

In 1879 there were 107.7 deaths to each 100 births among the colored people; in the twenty-four years, 1856–1879, 105.3 deaths to each 100 births.

PARENTAGE.

The statistics on the subject of parentage given in the following pages, show the variety of nations represented in our population, and the relative proportions of the different classes.

Table III. shows the number of children, according to parentage, born in each ward; also the number and proportion of each nationality in the whole city. In cases where the parents were of different foreign nationalities, the parentage is always given according to the birth-place of the father:—

Color. The number of colored children born in Providence in 1879 was 104; the number having been the same now in three successive years; 58 were males, and 46 females; a proportion of 126.1 male to each 100 female children; or 55.77 males and 44.23 females in each 100 born. The births in the different wards were as follows: First ward, 13; second, 10; third, 8; fourth, 2; fifth, 1; sixth, 18; seventh, 10; eighth, 14; ninth, 27; tenth, 1. The following is the number in each month: January, 12; February, 7; March, 8; April, 13; May, 6; June, 16; July, 9; August, 3; September, 4; October, 9; November, 4; December, 13.

In the twenty-four years, 1856–1879 inclusive, there were 1,803 colored children born in Providence; 959 males, and 844 females; a proportion of 113.6 males to each 100 females; or 53.19 males, and 46.81 females in each 100 children born.

The statistics of births, marriages and deaths among the colored people of the city, in the 24 years, 1856–1879 inclusive, are as follows:

Twenty-three years, 1856–1878..	1,699 births.....	828 marriages.....	1,787 deaths.
1879.....	104 births.....	43 marriages.....	112 deaths.
Twenty-four years, 1856–1879.....	1,803 births.....	871 marriages.....	1,899 deaths.


In 1879 there were 107.7 deaths to each 100 births among the colored people; in the twenty-four years, 1856–1879, 105.3 deaths to each 100 births.

PARENTAGE.

The statistics on the subject of parentage given in the following pages, show the variety of nations represented in our population, and the relative proportions of the different classes.

Table III. shows the number of children, according to parentage, born in each ward; also the number and proportion of each nationality in the whole city. In cases where the parents were of different foreign nationalities, the parentage is always given according to the birth-place of the father:—

9



NUMBER OF THE CHILD.

9

TABLE VI. BIRTHS, 1855 TO 1879.

Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate No. of children.	Average.
1855.....	1,566.....	1,600.....	5,314.....	3.36 children to each mother.
1856.....	1,656.....	1,675.....	5,569.....	3.36 children to each mother.
1857.....	1,664.....	1,666.....	5,736.....	3.44 children to each mother.
1858.....	1,706.....	1,734.....	5,665.....	3.33 children to each mother.
1859.....	1,570.....	1,595.....	5,618.....	to each mother.
1860.....	1,637.....	1,648.....	5,641.....	to each mother.
1861.....	1,664.....	1,735.....	6,017.....	3.55 children to each mother.
1862.....	1,512.....	1,523.....	5,333.....	3.53 children to each mother.
1863.....	1,366.....	1,307.....	4,717.....	3.64 children to each mother.
1864.....	1,337.....	1,344.....	4,867.....	3.66 children to each mother.
1865.....	1,379.....	1,369.....	4,635.....	3.60 children to each mother.
1866.....	1,614.....	1,633.....	5,744.....	3.56 children to each mother.
1867.....	1,585.....	1,634.....	5,497.....	3.53 children to each mother.
1868.....	1,641.....	1,605.....	5,333.....	3.44 children to each mother.
1869 ..	1,737.....	1,619.....	5,904.....	3.30 children to each mother.
1870.....	1,369.....	1,360.....	5,145.....	3.51 children to each mother.
1871.....	1,337.....	1,360.....	5,430.....	3.51 children to each mother.
1872.....	2,174.....	2,266.....	7,346.....	3.38 children to each mother.
1873.....	2,161.....	2,123.....	6,731.....	3.30 children to each mother.
1874.....	2,736.....	2,730.....	8,966.....	3.27 children to each mother.
1875.....	2,634.....	2,664.....	8,977.....	3.41 children to each mother.
1876.....	2,604.....	2,651.....	8,914.....	3.42 children to each mother.
1877.....	2,516.....	2,548.....	8,705.....	3.46 children to each mother.
1878.....	2,597.....	2,627.....	9,417.....	3.63 children to each mother.
1879.....	2,469.....	2,523.....	9,039.....	3.63 children to each mother.
25 years.....	47,480.....	48,093.....	163,411.....	3.45 children to each mother.

Table VII. gives the number of the child in connection with the age of the mother; and shows how many first, second, etc., children were born in 1879 to mothers at the respective ages given, and the aggregate and average number of children they had borne.

The reference marks in this table indicate the age of the mother and the number of the child in the cases of plurality births; thus at the age of 27 four mothers bore twins; in one case they were the first and second children; and in three cases, the second and third children.

There were three women who bore children in Providence in 1879 who were fifty years old; one of whom had borne four children before; one, five; and one seven. The number of women of forty years and over, who bore children in 1879, was 115; they had borne 821 children, or an average of 7.14 children to each mother. These facts concerning the age of the mother have been recorded since July 1, 1863, a period of sixteen years and six months; in that time there have been 1,669 women of forty years and over, who have borne children; the number of children borne by them being 12,702, there is an average of 7.61 children to each mother.

During this period, since July 1, 1863, the whole number of children borne by mothers whose age was stated, was 34,097. The number of children borne by mothers of each age during this time is as follows:

Age of mother.	Children.	Age of mother.	Children.	Age of mother.	Children.
14.....	4	27.....	2,041	40.....	789
15.....	19	28.....	2,387	41.....	218
16.....	50	29.....	1,712	42.....	262
17.....	147	30.....	2,753	43.....	147
18.....	376	31.....	1,145	44.....	97
19.....	606	32.....	1,611	45.....	102
20.....	974	33.....	1,342	46.....	27
21.....	1,141	34.....	1,138	47.....	24
22.....	1,655	35.....	1,713	48.....	11
23.....	1,829	36.....	1,019	49.....	3
24.....	2,028	37.....	830	50.....	8
25.....	2,288	38.....	903		
26.....	2,114	39.....	584	All known ages. 34,097	

The mothers of these children were divided as follows, as to age: —

children of a mother 34 years old ; in four cases, the fourth and fifth children of mothers 21, 24, 28 and 35 years old ; in four, the fifth and sixth children of mothers, two of whom were 35 years old ; one, 33 ; and one 36 ; in four, the sixth and seventh children of mothers, two of whom were 34 years old ; one, 33 ; and one, 36 ; in one case, the seventh and eighth children of a mother 39 years old ; and in two cases, the eighth and ninth children of mothers 34 and 35 years old. In thirteen cases the mothers were more than 30 years old.

Parentage. In eleven cases, or nearly half, the parents were both American ; in three of these cases the parents being colored ; in four cases, both were Irish ; in three cases, both were English ; in two, both were Scotch ; in two, both were of the Western Islands (or Portuguese) ; and in one both were German.

TWENTY-FIVE YEARS' SUMMARY OF PLURALITY BIRTHS.

In the twenty-five years, 1855–1879 inclusive, there have been in Providence 583 cases of plurality births ; 574 of twins, and 9 triplets ; the whole number of children being 1,175.

Sex. Of the nine cases of triplets, in one case, all the children were males ; in five cases, all were females ; and in three cases, there were two male children, and one female ; making 9 male and 18 female children in the nine cases.

In the 574 cases of twins, there were 186 in which both of the children were males ; 198 in which both were females, and in 190 there was one child of each sex ; making 562 male and 586 female children. Of the 1,175 children in all the cases of plurality births, there were 571 male, and 604 female children ; this is in the proportion of 105.8 females to each 100 males ; or 51.40 females and 48.60 males, in each 100 of the children, in the cases of plurality births.

Color. In all the cases of triplets the parents were white. Of the 574 cases of twins in 553 the parents were white ; and in 21 they were colored.

Parentage. Of the triplets, in one case, the parents were both American ; in five cases both were Irish ; in one case, both German ; in one, the father was English, and the mother Irish ; and in one the father Scotch, and the mother Irish.

Proportion of cases of plurality births :—

	Twins.	Triplets.
1855-1878.....	1 in 81.5.....	1 in 4,992.3
1879.....	1 in 108.7....	
1855-1879.....	1 in 82.6.....	1 in 5,270

Proportion of children of plurality births :—

	Twins.	Triplets.
1855-1878.....	1 in 41.3.....	1 in 1,587.9
1879.....	1 in 54.8.....	
1855-1879.....	1 in 41.8.....	1 in 1,778.6

Proportion of plurality births by parentage. The number of births in the twenty-five years, 1855-1879 inclusive, was 47,430. The following is a statement of the number of births of American, foreign and mixed parentage; and the number and proportion of plurality births in each class :—

	Whole No. births.	Plurality cases.	1 in	Per cent.
American parents.....	19,028.....	192.....	99.10,	or 1.01
Foreign parents.....	22,721.....	335.....	67.82,	or 1.03
American and Foreign.....	5,681.....	56.....	101.45,	or .99
Total.....	47,430	583.....	81.86,	or 1.23

Of the 583 cases of plurality births, the 192 cases of American parentage were 32.93 per cent. ; the 335 cases of foreign parentage, were 57.46 per cent. ; and the 56 cases of mixed parentage were 9.61 per cent.

The number of marriages in 1879 was 55 more than in 1878, and was larger than in any year since 1875; it was 244 more than the average number for twenty-five years. Having estimated the population of the city in the middle of the year 1879 at 103,000, we find the following ratios: Number of persons married, 2,142, which is one in each 48.08 of the population, or 20.79 in each thousand. The ratio of persons married to children born was 85 to 100; of persons married to deaths 105.7 to 100. In 1878 the ratio of persons married to children born was 77 to 100; of persons married to deaths 102.2 to 100.

Season. The distribution of these 1,071 marriages in the different seasons follows the usual rule; the larger part of them being found in the last six months of the year, and the largest quarterly total, 307, being that of the fourth quarter; the smallest quarterly total, 234, was in the first quarter.

Dividing the year by the calendar seasons, and taking the aggregate of marriages for twenty-five years, we find that of each 100 marriages in Providence about 25 occur in the winter months, December, January and February; 22, in the spring months; 23, in the summer, and 30 in the autumn. The largest monthly total in 1879 was 128, in November; the smallest, 47 in March.

The following figures show the number and percentage of marriages in each quarter of the year 1879, and for the corresponding seasons for the period of twenty-four years, 1855–1878, inclusive:—

	1879.		1855–1878.	
	Marriages.	Per Cent.	Marriages.	Per Cent.
January-March.....	234.....	21.85.....	4,235.....	21.59
April-June.....	277.....	25.86	4,998.....	25.48
July-September.....	263.....	23.62.....	4,603.....	23.46
October-December.....	307.....	28.67.....	5,780.....	29.47
Total.....	1,071.....	100.00	19,616	100.00

Nativity. Table IX. shows the birth-places of both parties in each of the 1,071 marriages of the year 1879:—

groom were born in different countries; this is 23 more than in 1878, and the proportion 1.04 per cent. more. Of the 751 grooms born in the United States, 98, or 13.04 per cent., married natives of other countries; the number and proportion are both rather larger than in the previous year; of the 175 born in Ireland, 50, or 28.57 per cent., married natives of other countries; of the grooms born in England, 64.47 per cent. married natives of other countries; of those born in Germany, 75.59 per cent.; of those born in British America, 59.09 per cent. Of the 756 brides born in the United States, 103, or 13.62 per cent., married natives of other countries; the number and proportion are larger than in 1878. Of the 187 brides born in Ireland, 62, or 33.16 per cent., married natives of other countries; of those born in England, 52.54 per cent.; of those born in Germany, 37.50 per cent.; of those born in British America, 76.32 per cent.

The nativity of the 25 grooms born in "other countries" was as follows: 8 born in Italy; 4 in Sweden; 3 in Switzerland; 2 each in France and Cuba; and 1 each in Algiers, Australia, Holland, Poland, Russia and Tuscany.

Of the 18 brides born in "other countries," 7 were born in Sweden, 3 in Italy, 2 each in France and Switzerland, and 1 each in Bohemia, Denmark, South America, and Spain.

The number and percentage of American, foreign and mixed marriages in each of the twenty-five years from 1855-1879 inclusive, are given in the following table. By mixed marriages are understood those where one of the parties was of American, and the other of foreign nativity:

since been added in the General Summary at the end of this Report; so that the total (20,716) from which the average number (829) given in Table XXI. is obtained, is the true number of marriages for the period of twenty-five years.

Marriages of colored persons. The number of marriages of colored people in Providence in 1879 was 43; this was eleven less than in 1878, and three less than in 1877. The aggregate and average age of the parties in these marriages were as follows:—

43 males.....	Aggregate age, 1,341 years.....	Average age, 31.19 years.
43 females.....	Aggregate age, 1,143 years.....	Average age, 26.58 years.

The whole number of marriages of colored persons in the twenty-four years, 1856–1879, was 871; the aggregate and average age of the parties as follows:—

871 males.....	Aggregate age, 25,566 years	Average age, 29.35 years.
871 females.....	Aggregate age, 22,855 years.....	Average age, 26.24 years.

Age of persons married. In Table X. are shown the number and percentage of brides and grooms in each division of ages:—

TABLE X. MARRIAGES, 1879. *Age of the parties.*

AGES OF THE GROOMS.	AGES OF THE BRIDES.						Whole number of Grooms.	Percentage of Grooms.
	Under 20 years.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 to 60.		
Under 20 years.....	16	8	.....	.....	.....	.....	24	2.24
20 to 25	106	214	29	5	1	.....	355	33.15
25 to 30.....	35	161	127	26	1	.....	350	32.68
30 to 40.....	9	64	77	77	7	1	235	21.94
40 to 50.....	3	8	7	26	16	3	63	5.88
50 to 60.....	.....	3	...	7	9	4	23	2.15
60 to 70.....	.....	.....	1	6	3	6	16	1.49
70 to 80.....	.....	.....	.....	.....	1	4	5	.47
Whole number of Brides.....	169	458	241	147	38	18	1,071	
Percentage of Brides.....	15.78	42.77	22.50	13.72	3.55	1.68		100.00

MARRIAGES: DENOMINATIONAL.

25

Number of the marriage. Table XI. shows how many of the persons married in Providence in 1879 were married for the first, second, or third time :—

TABLE XI. MARRIAGES, 1879. *Number of times married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.			Whole number of Grooms.
	First.	Second.	Third.	
First.....	823	57	2	882
Second.....	96	70	5	171
Third.....	10	8	.....	18
Whole number of Brides.....	929	135	7	1,071

In 823 cases, or 76.84 per cent. of all, it was the first marriage of both parties, both the number and percentage being larger than in 1878 ; in 70 cases, or 6.54 per cent., it was the second marriage of both ; of this class the number was a little larger, but the percentage a little smaller than in the preceding year.

Denominational. The 1,071 marriages of the year 1879 were performed by the clergymen of the various denominations of the city, and by civil authority as follows :—

Roman Catholic.....	371	Seamen's Mission Clergyman.....	9
Calvinistic Baptist.....	148	Lutheran.....	4
Free Baptist.....	29	Advent Christian.....	2
Six Principle Baptist.....	2	Evangelical Advent.	8
Methodist.....	163	New Jerusalem.....	1
Episcopallian.....	112	Latter Day Saints.....	10
Congregational.....	89	Hebrew.....	2
Unitarian.....	37	Friend's Ceremony.....	1
Universalist.....	45	Denomination not specified	8
Presbyterian.....	24	Justice of Supreme Court.....	2
Christian.....	4	Total.....	1,071

more ; 10 males and 15 females ; of those born in foreign countries, the whole number was 6 less than in 1878 ; the number of females being 13 less, and of males 7 more. In 1878 the whole number of persons married was 2,032 ; of those who signed with a mark, 221, or 10.88 in each hundred.

The statistics on this subject for the twenty years, 1859–1878 inclusive, are as follows :—

1859–1878.	Whole number married.	Signed with a mark.	In each 100.
Males, born in United States.....	10,843.....	529.....	4.88
Females, born in United States.....	11,050.....	746.....	6.75
Total, born in the United States.....	21,893.....	1,275.....	5.82
Males, born in foreign countries.....	6,818.....	2,093.....	.33.13
Females, born in foreign countries.....	6,111.....	3,011.....	49.27
Total born in foreign countries.	12,429.....	5,104.....	41.06
Totals.....	34,322.....	6,879.....	18.59

TABLE XII. DEATHS, 1879.

Sex, condition, color, nativity, parentage, locality, season.

1879.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Whole year.
Whole number of Deaths...	200	151	163	167	152	120	187	173	134	167	200	213	2,028
Sex.—													
Males.....	111	77	80	80	68	53	80	92	63	81	98	109	1,004
Females.....	89	74	83	87	84	67	96	80	71	86	102	104	1,022
Condition.—													
Married.....	58	51	47	57	47	46	57	48	51	46	50	57	593
Single.....	104	84	92	81	81	80	112	96	80	107	123	137	1,166
Widows.....	31	11	19	18	16	11	12	17	13	19	14	15	178
Widowers.....	17	5	5	10	8	3	5	8	10	4	7	4	86
Divorced.....				1									1
Color.—													
Whites.....	186	138	152	151	140	116	176	163	123	168	196	208	1,914
Colored.....	14	12	11	16	6	4	11	10	9	6	4	10	112
Nativity.—													
.....	151	114	124	118	110	84	154	131	107	138	161	169	1,575
.....	36	23	23	25	23	20	20	32	20	28	30	36	334
England and Scotland.....	9	6	8	7	6	6	9	4	4	1	5	3	63
Germany.....	1	4	4	4	1	1	1	1			2	1	16
British America.....	2	4	2	5	5	2	2	3			1	3	27
Portugal & West'n Islands.....			1			1					1		3
Other countries.....	1				1	3	1	2				1	8
Parentage.—													
American.....	107	75	80	72	74	48	90	70	57	75	82	93	941
Irish.....	63	54	51	63	53	53	67	70	53	68	92	87	776
.....	20	14	12	15	13	10	19	10	11	8	13	24	169
.....	4	4	1	6	2	3	6	4	6	4	6	3	49
.....	4	3	5	4	6	1	3	4	5	4	3	3	45
.....	1	3	2	2	1	1	2	1	5	3	1	2	23
.....	2		2	2	2	4	1	3	1	3	1	2	24
Locality, Wards.—													
I.....	22	20	28	20	20	11	25	30	20	14	35	34	279
II.....	10	8	5	6	6	4	9	6	2	3	4	5	68
III.....	19	13	16	11	12	7	16	23	15	20	20	22	194
IV.....	16	16	9	9	11	6	6	6	7	13	9	6	118
V.....	20	13	17	23	10	14	19	18	18	17	21	21	269
VI.....	6	10	7	9	5	5	14	7	8	8	14	13	106
VII.....	17	13	10	11	16	17	18	14	9	14	15	20	180
VIII.....	32	6	14	12	17	8	15	18	11	18	23	24	168
IX.....	23	23	24	30	22	13	23	21	10	31	25	23	200
X.....	18	17	24	23	23	29	20	25	23	23	26	33	305
Public Institutions.....	9	7	8	8	8	6	11	6	5	4	8	6	81
Totals	200	151	163	167	152	120	187	173	134	167	200	213	2,028

Season. The year 1879, like the preceding year, forms an exception to the general rule in regard to the distribution of deaths in the different quarters of the year. The largest number of deaths, instead of being in the third quarter of the year, as is nearly always the case, is this year found in the last quarter; the number in the first quarter is also larger than that in the third—thus putting the third quarter the third in order, which has only happened once before in the twenty-five years during which these reports have been published.

The following figures show the number of deaths in each quarter of the year 1879, and in each of the five years preceding; also the aggregate and average number in each quarter for the period of twenty-four years, 1855–1878 inclusive:—

	1879.	1878.	1877.	1876.	1875.	1874.	24 years, 1855–1878. Aggregate. Avg.
January-March....	514....	541....	411....	383....	468....	444....	7,519.....312.5
April-June.....	439....	423....	440....	419....	401....	501....	6,909.....288
July-September....	493....	520....	557....	573....	531....	556....	9,353.....390
October-December	580....	505....	530....	490....	495....	486....	7,683.....320
Whole year.....	2,026	1,989	1,938	1,865	1,915	1,987	31,464 1311

The number and percentage of deaths in each quarter of the year 1879, and in the aggregate for the twenty-four years, 1855–1878, are as follows:

	1879.		24 years, 1855–1878.	
	Deaths.	Per cent.	Deaths.	Per cent.
January-March.....	514.....	25.37.....	7,519.....	23.9
April-June.....	439.....	21.67.....	6,909.....	21.9
July-September.....	493.....	24.33.....	9,353.....	29.7
October-December.....	580.....	28.63.....	7,683.....	24.2
Totals.....	2,026	100.00	31,464	100.00

The number and percentage of deaths in each quarter of each year, during the period of twenty-five years, 1855–1879, were as follows:

April-June.		July-Sept.		Oct.-Dec.	
Deaths.	Percent.	Deaths.	Percent.	Deaths.	Per cent.
286	20.50	330	44.31	321	33.31
286	22.34	305	37.80	317	30.37
273	22.28	295	36.93	303	27.94
273	27.34	287	35.37	303	19.96
268	23.06	276	34.84	311	22.47
269	26.26	267	33.67	293	26.18
275	26.45	258	31.97	280	22.74
268	21.01	271	33.85	254	27.79
262	20.43	270	31.16	261	24.79
262	21.31	268	31.66	265	22.65
260	19.82	272	32.71	266	24.77
255	21.94	260	32.65	245	22.36
262	21.94	260	32.29	214	22.39
261	21.90	248	31.17	208	26.04
250	19.90	268	32.31	212	24.94
271	21.46	271	32.37	290	22.97
268	20.26	265	30.70	295	22.23
264	22.71	219	22.21	261	24.50
267	22.88	264	29.25	261	22.16
261	26.31	262	27.96	266	24.66
261	26.94	261	27.73	265	26.05
260	22.67	272	30.71	260	26.27
260	22.79	257	28.74	260	27.26
252	21.57	260	29.14	265	26.20
252	21.57	260	24.26	260	23.03

and percentage of deaths in the fourth quarter were the largest that have ever been recorded, or for the third quarter was less than in any year

Nativity and Parentage. From Table XII. important comparisons may be made between the number of decedents registered according to parentage and those registered according to nativity. The number of decedents in 1879 of American nativity was 1,575, or 77.74 per cent. of all; while the number of American parentage was only 941, or 46.45 per cent. of all. The number of American nativity was 10 more than in 1878; of American parentage 52 more.

The number of decedents of foreign birth in 1879 was 451, or 22.26 per cent. of all; the number of foreign parentage 1,085, or 53.55 per cent. of all. The number of decedents of foreign birth in 1879 was 27 more than in 1878; of foreign parentage 15 less.

The nativity of the 8 decedents born in "other countries" was as follows: 3 born in Italy, 1 each in France, Wales, Austria, Belgium and Norway.

Of the 24 of "other foreign" parentage, there were 7 of Italian, and 5 of Swedish parentage, 4 French, 4 Swiss, and 1 each Belgian, Norwegian, Polish, and Welsh.

Locality. Table XII. shows the number of deaths in each ward and in the Public Institutions of the city for each month and for the whole year. Comparing the numbers with those of the preceding year, we find in the first ward 15 more deaths in 1879 than in 1878; in the second, 6 more; in the third, 12 more; in the fourth, 7 more; in the fifth, 20 more; in the sixth, 2 less; in the seventh, 11 more; in the eighth, 11 more; in the ninth, 9 less; in the tenth, 30 less; in Public Institutions, 4 less. In Wards 1, 2, 3, 4, 5, 7 and 8 collectively, the number of deaths was 82 more than in 1878; in Wards 6, 9 and 10 and Public Institutions, the number was 45 less. The number of decedents in each ward, according to parentage, was as follows:—

Wards.	American.	Foreign.	Wards.	American.	Foreign.
I.....	127.....	152	VII.....	88.....	92
II.....	54.....	14	VIII.....	118.....	80
III.....	73.....	121	IX.....	138.....	152
IV.....	57.....	59	X.....	85.....	220
V.....	81.....	128	Public Institutions	46.....	35
VI.....	74.....	32			
Whole city.....				941.....	1,085

months of the previous year. In June the average in 1879 was 11.49 years less than in 1878. Of the remaining six months, the average age in 1879 was greater than in 1878, for the months of July, September and October, and less than in 1878, for the months of August, November and December. Among the decedents of foreign parentage the average age was more in 1879 than in 1878 in the months of January, February, March, April, June, July and August; and less in the months of May, September, October, November and December.

Table XIV. is a recapitulation of the same facts for the twenty-four years, 1856-1879 inclusive.

TABLE XIV. DEATHS, TWENTY-FOUR YEARS, 1856-1879.

Recapitulation. Aggregate and average age by parentage.

TWENTY-FOUR YEARS, 1856-1879.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January.....	1,447	49,719	34.36	1,259	31,813	25.27	2,706	81,532	30.13
February.....	1,300	44,125	33.93	1,213	27,286	22.49	2,513	71,411	28.42
March.....	1,365	47,645	34.90	1,236	30,591	24.75	2,601	78,236	30.08
April	1,326	44,908	33.87	1,281	33,876	26.44	2,607	78,784	30.22
May.....	1,239	45,370	36.54	1,159	29,835	25.74	2,398	75,105	31.32
June.....	1,033	35,437	34.30	1,102	27,143	24.63	2,135	62,580	29.31
July.....	1,447	37,390	25.84	1,721	31,838	18.50	3,168	69,228	21.85
August.....	1,578	43,316	27.45	1,826	33,627	18.42	3,404	76,943	22.60
September....	1,398	41,089	29.39	1,537	29,857	19.43	2,935	70,946	24.17
October.....	1,260	41,186	32.69	1,395	31,549	22.62	2,655	72,735	27.39
November.....	1,297	42,806	33.00	1,336	33,340	24.96	2,633	76,146	28.92
December.....	1,407	49,702	35.32	1,337	34,033	25.47	2,744	83,735	30.51
Total.....	16,097	522,593	32.47	16,402	374,788	22.85	32,499	997,381	27.61

By examining these two tables we find many differences between the average age of American decedents and that of foreign

decedents in the different months. In the statistics for the year 1879 (Table XIII.), we find the highest average age of American decedents to be 40.31 years in May; the lowest average age 24.05 years in December. Of the decedents of foreign parentage, the highest average age was 35.86 years in April; the lowest, 19.73 years in October. The greatest difference between the two classes was in May, when the average age of American decedents was 15.13 years greater than that of decedents of foreign parentage; the least difference was in December, when the average age of American decedents was 0.17 of a year less than that of the other class. The year is an exception to the general rule in that there were three months when the average age of foreign decedents was greater than that of American decedents; in April it was 2.37 years greater; in June, 5.39 years; in December, 0.17 of a year. For the whole year, the average age of the American decedents was 5.55 years the greatest.

In the statistics for the longer period of time, as given in Table XIV., we find similar contrasts. In this table we find that in every month the average age of American decedents was greater than that of the foreign class. The highest average age of American decedents was 36.54 years in May; and the lowest, 25.84 years in July. The highest average age of decedents of foreign parentage was 26.44 years in April; the lowest, 18.50 in July. The greatest difference between the two classes was 11.44 years in February; the least 7.34 years in July. The difference for the whole year in the long period of time was 9.62 years. It will be seen from the two Tables, XIII. and XIV., that in both classes of decedents in 1879, the average age in the months of October, November and December was much below the average for those months in the long term of years. This was owing to the epidemic of scarlatina, which prevailed, as already mentioned on page 31, in the last quarter of the year. It was fatal mostly among very young children, increasing the number of decedents of that class, and consequently reducing the average age of all decedents.

The following table shows the difference between the two classes of decedents in each month, for the year 1879, and for the period of twenty-four years, 1856-1879 inclusive. In the months of April, June and December, 1879, the average age of American decedents was less than that of decedents of foreign parentage;

this is indicated in the table by prefixing the — sign, in the column of “difference” to the figures for those months. In the other months of 1879, and in every month of the long term of years, the average age of American decedents was greater than that of foreign decedents.

Difference in years, between the average age of American and foreign decedents.

MONTHS.	1879.			24 years, 1856-1879.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January.	36.29	30.32	5.97	34.36	25.27	9.09
February.	35.54	28.72	6.82	33.93	22.49	11.44
March.	35.82	25.03	10.79	34.90	24.75	10.15
April.	33.49	35.86	—2.37	33.87	26.44	7.43
May.	40.31	25.18	15.13	36.54	25.74	10.80
June.	28.92	34.31	—5.39	34.30	24.63	9.67
July.	29.63	23.05	6.57	25.84	18.50	7.34
August.	29.13	25.40	3.73	27.45	18.42	9.03
September.	30.91	23.82	7.09	29.39	19.43	9.96
October.	29.03	19.73	9.30	32.69	22.62	10.07
November.	27.01	21.93	5.08	33.00	24.96	8.04
December.	24.05	24.22	—0.17	35.33	25.47	9.85
Whole year.	31.77	26.22	5.55	32.47	22.85	9.62

As a rule, the difference between the two classes of decedents is greater in the long period of years than in the single year. March and May are the only exceptions.

The largest monthly aggregate of deaths in 1879 (Table XIII.), was in January among the American decedents, and in December among those of foreign parentage; the smallest in September among the American, and in June among the foreign decedents.

For the twenty-four years, 1856-1879, the largest monthly aggregate among both classes of decedents was in August; the smallest in June. The percentages of the whole number of deaths in the different quarters for the period of twenty-four years, 1856-1879 inclusive, were as follows:

	1st quarter.	2d quarter.	3d quarter.	4th quarter.
American parentage.....	25.54.....	23.35.....	27.48.....	24.63.....
Foreign parentage.....	22.61.....	21.59.....	31.00.....	24.80.....

Table XV. gives the number of decedents, and the aggregate and average age, according to parentage, in each of the twenty-four years, 1856-1879 inclusive, and for the whole period :

TABLE XV. DEATHS, 1856-1879.

Recapitulation. Aggregate and average age by parentage.

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.
1856.....	541	14,554	26.90	524	8,258	15.75	1,065	22,812	21.42
1857.....	523	16,314	31.19	403	8,007	19.91	925	24,321	26.29
1858.....	512	15,916	31.07	505	8,478	16.78	1,017	24,393	23.98
1859.....	479	14,993	31.30	420	8,640	20.57	899	23,633	26.28
1860.....	512	16,680	32.54	489	9,751	19.94	1,001	26,411	26.38
1861.....	533	16,327	30.34	513	9,605	18.72	1,051	25,932	24.67
1862.....	460	14,569	31.71	454	10,994	24.21	914	25,563	28.00
1863.....	597	19,398	32.49	617	13,757	22.29	1,214	33,155	27.31
1864.....	649	21,732	33.48	632	11,365	17.98	1,281	33,097	25.83
1865.....	631	19,623	31.10	580	11,991	20.67	1,211	31,619	24.11
1866.....	513	18,906	36.85	523	12,762	24.40	1,036	31,668	30.57
1867.....	528	19,258	36.47	432	12,149	28.12	960	31,407	32.72
1868.....	596	21,779	36.54	514	12,539	24.39	1,110	34,318	30.92
1869.....	627	20,490	32.68	629	14,776	23.49	1,256	35,266	28.08
1870.....	642	21,078	32.83	621	14,393	23.18	1,263	35,471	28.08
1871.....	643	22,725	35.34	611	17,005	27.83	1,254	39,730	31.69
1872.....	832	27,672	33.14	771	19,160	24.86	1,603	46,732	29.15
1873.....	862	28,675	33.27	857	19,061	22.24	1,719	47,736	27.77
1874.....	885	27,588	31.17	1,102	24,802	22.51	1,987	52,390	26.37
1875.....	914	30,419	33.28	1,001	24,302	24.28	1,915	54,721	28.57
1876.....	875	29,025	33.17	990	23,959	24.20	1,865	52,984	28.41
1877.....	908	28,353	31.23	1,030	25,410	24.67	1,938	53,763	27.74
1878.....	889	26,724	30.06	1,100	25,178	22.89	1,989	51,902	26.09
1879.....	941	29,896	31.77	1,065	28,446	26.72	2,006	58,342	29.00
24 years' totals.....	16,097	522,593	32.47	16,402	374,788	22.85	32,499	897,381	27.61

DEATHS: PERCENTAGE AT DIFFERENT AGES. 39

The greatest difference between the two classes was 15.50 years in 1864; the least difference, 5.55 years in 1879. The difference in the entire period is 9.62 years.

Number and percentage of decedents at different ages. Table XVI. shows the number and percentage of decedents, according to parentage, in each division of ages in 1879; also the same facts for the whole number of decedents in the twenty-four years, 1856-1879 inclusive:

TABLE XVI. DEATHS, 1879.

Percentage at different ages, according to parentage.

		1879		1856-1879 inclusive	
		Number	Per cent.	Number	Per cent.
Under 5 years	White	310	32.94	310	32.94
	Colored	17	3.84	17	3.84
5 to 14 years		210	22.12	210	22.12
15 to 24 years		180	19.05	180	19.05
25 to 34 years		150	15.87	150	15.87
35 to 44 years		120	12.70	120	12.70
45 to 54 years		90	9.53	90	9.53
55 to 64 years		60	6.35	60	6.35
65 to 74 years		30	3.18	30	3.18
75 to 84 years		10	1.06	10	1.06
85 to 94 years		5	0.53	5	0.53
95 to 104 years		2	0.21	2	0.21
105 to 114 years		1	0.11	1	0.11
115 to 124 years		0	0.00	0	0.00
125 to 134 years		0	0.00	0	0.00
135 to 144 years		0	0.00	0	0.00
145 to 154 years		0	0.00	0	0.00
155 to 164 years		0	0.00	0	0.00
165 to 174 years		0	0.00	0	0.00
175 to 184 years		0	0.00	0	0.00
185 to 194 years		0	0.00	0	0.00
195 to 204 years		0	0.00	0	0.00
205 to 214 years		0	0.00	0	0.00
215 to 224 years		0	0.00	0	0.00
225 to 234 years		0	0.00	0	0.00
235 to 244 years		0	0.00	0	0.00
245 to 254 years		0	0.00	0	0.00
255 to 264 years		0	0.00	0	0.00
265 to 274 years		0	0.00	0	0.00
275 to 284 years		0	0.00	0	0.00
285 to 294 years		0	0.00	0	0.00
295 to 304 years		0	0.00	0	0.00
305 to 314 years		0	0.00	0	0.00
315 to 324 years		0	0.00	0	0.00
325 to 334 years		0	0.00	0	0.00
335 to 344 years		0	0.00	0	0.00
345 to 354 years		0	0.00	0	0.00
355 to 364 years		0	0.00	0	0.00
365 to 374 years		0	0.00	0	0.00
375 to 384 years		0	0.00	0	0.00
385 to 394 years		0	0.00	0	0.00
395 to 404 years		0	0.00	0	0.00
405 to 414 years		0	0.00	0	0.00
415 to 424 years		0	0.00	0	0.00
425 to 434 years		0	0.00	0	0.00
435 to 444 years		0	0.00	0	0.00
445 to 454 years		0	0.00	0	0.00
455 to 464 years		0	0.00	0	0.00
465 to 474 years		0	0.00	0	0.00
475 to 484 years		0	0.00	0	0.00
485 to 494 years		0	0.00	0	0.00
495 to 504 years		0	0.00	0	0.00
505 to 514 years		0	0.00	0	0.00
515 to 524 years		0	0.00	0	0.00
525 to 534 years		0	0.00	0	0.00
535 to 544 years		0	0.00	0	0.00
545 to 554 years		0	0.00	0	0.00
555 to 564 years		0	0.00	0	0.00
565 to 574 years		0	0.00	0	0.00
575 to 584 years		0	0.00	0	0.00
585 to 594 years		0	0.00	0	0.00
595 to 604 years		0	0.00	0	0.00
605 to 614 years		0	0.00	0	0.00
615 to 624 years		0	0.00	0	0.00
625 to 634 years		0	0.00	0	0.00
635 to 644 years		0	0.00	0	0.00
645 to 654 years		0	0.00	0	0.00
655 to 664 years		0	0.00	0	0.00
665 to 674 years		0	0.00	0	0.00
675 to 684 years		0	0.00	0	0.00
685 to 694 years		0	0.00	0	0.00
695 to 704 years		0	0.00	0	0.00
705 to 714 years		0	0.00	0	0.00
715 to 724 years		0	0.00	0	0.00
725 to 734 years		0	0.00	0	0.00
735 to 744 years		0	0.00	0	0.00
745 to 754 years		0	0.00	0	0.00
755 to 764 years		0	0.00	0	0.00
765 to 774 years		0	0.00	0	0.00
775 to 784 years		0	0.00	0	0.00
785 to 794 years		0	0.00	0	0.00
795 to 804 years		0	0.00	0	0.00
805 to 814 years		0	0.00	0	0.00
815 to 824 years		0	0.00	0	0.00
825 to 834 years		0	0.00	0	0.00
835 to 844 years		0	0.00	0	0.00
845 to 854 years		0	0.00	0	0.00
855 to 864 years		0	0.00	0	0.00
865 to 874 years		0	0.00	0	0.00
875 to 884 years		0	0.00	0	0.00
885 to 894 years		0	0.00	0	0.00
895 to 904 years		0	0.00	0	0.00
905 to 914 years		0	0.00	0	0.00
915 to 924 years		0	0.00	0	0.00
925 to 934 years		0	0.00	0	0.00
935 to 944 years		0	0.00	0	0.00
945 to 954 years		0	0.00	0	0.00
955 to 964 years		0	0.00	0	0.00
965 to 974 years		0	0.00	0	0.00
975 to 984 years		0	0.00	0	0.00
985 to 994 years		0	0.00	0	0.00
995 to 1004 years		0	0.00	0	0.00
1005 to 1014 years		0	0.00	0	0.00
1015 to 1024 years		0	0.00	0	0.00
1025 to 1034 years		0	0.00	0	0.00
1035 to 1044 years		0	0.00	0	0.00
1045 to 1054 years		0	0.00	0	0.00
1055 to 1064 years		0	0.00	0	0.00
1065 to 1074 years		0	0.00	0	0.00
1075 to 1084 years		0	0.00	0	0.00
1085 to 1094 years		0	0.00	0	0.00
1095 to 1104 years		0	0.00	0	0.00
1105 to 1114 years		0	0.00	0	0.00
1115 to 1124 years		0	0.00	0	0.00
1125 to 1134 years		0	0.00	0	0.00
1135 to 1144 years		0	0.00	0	0.00
1145 to 1154 years		0	0.00	0	0.00
1155 to 1164 years		0	0.00	0	0.00
1165 to 1174 years		0	0.00	0	0.00
1175 to 1184 years		0	0.00	0	0.00
1185 to 1194 years		0	0.00	0	0.00
1195 to 1204 years		0	0.00	0	0.00
1205 to 1214 years		0	0.00	0	0.00
1215 to 1224 years		0	0.00	0	0.00
1225 to 1234 years		0	0.00	0	0.00
1235 to 1244 years		0	0.00	0	0.00
1245 to 1254 years		0	0.00	0	0.00
1255 to 1264 years		0	0.00	0	0.00
1265 to 1274 years		0	0.00	0	0.00
1275 to 1284 years		0	0.00	0	0.00
1285 to 1294 years		0	0.00	0	0.00
1295 to 1304 years		0	0.00	0	0.00
1305 to 1314 years		0	0.00	0	0.00
1315 to 1324 years		0	0.00	0	0.00
1325 to 1334 years		0	0.00	0	0.00
1335 to 1344 years		0	0.00	0	0.00
1345 to 1354 years		0	0.00	0	0.00
1355 to 1364 years		0	0.00	0	0.00
1365 to 1374 years		0	0.00	0	0.00
1375 to 1384 years		0	0.00	0	0.00
1385 to 1394 years		0	0.00	0	0.00
1395 to 1404 years		0	0.00	0	0.00
1405 to 1414 years		0	0.00	0	0.00
1415 to 1424 years		0	0.00	0	0.00
1425 to 1434 years		0	0.00	0	0.00
1435 to 1444 years		0	0.00	0	0.00
1445 to 1454 years		0	0.00	0	0.00
1455 to 1464 years		0	0.00	0	0.00
1465 to 1474 years		0	0.00	0	0.00
1475 to 1484 years		0	0.00	0	0.00
1485 to 1494 years		0	0.00	0	0.00
1495 to 1504 years		0	0.00	0	0.00
1505 to 1514 years		0	0.00	0	0.00
1515 to 1524 years		0	0.00	0	0.00
1525 to 1534 years		0	0.00	0	0.00
1535 to 1544 years		0	0.00	0	0.00
1545 to 1554 years		0	0.00	0	0.00
1555 to 1564 years		0	0.00	0	0.00
1565 to 1574 years		0	0.00	0	0.00
1575 to 1584 years		0	0.00	0	0.00
1585 to 1594 years		0	0.00	0	0.00
1595 to 1604 years		0	0.00	0	0.00
1605 to 1614 years		0	0.00	0	0.00
1615 to 1624 years		0	0.00	0	0.00
1625 to 1634 years		0	0.00	0	0.00
1635 to 1644 years		0	0.00	0	0.00
1645 to 1654 years		0	0.00	0	0.00
1655 to 1664 years		0	0.00	0	0.00
1665 to 1674 years		0	0.00	0	0.00
1675 to 1684 years		0	0.00	0	0.00
1685 to 1694 years		0	0.00	0	0.00
1695 to 1704 years		0	0.00	0	0.00
1					

DEATHS: PERCENTAGE AT DIFFERENT AGES. 41

Whole number of decedents.....	45,644
Under one year.....	8,833, or 19.35 per cent. of all.
One, and under two years.....	4,673, or 10.24 per cent. of all.
Two, and under five years.....	4,505, or 9.87 per cent. of all.
Total, under five years.....	18,011, or 39.46 per cent. of all.

Table XVII. is a recapitulation, and shows the number and percentage of decedents at different ages, according to parentage, in the period of twenty-four years, 1856-1879 :—

TABLE XVII. DEATHS, 1856-1879.

Number and percentage at different ages according to parentage.

AGE.	American Parentage, 24 years, 1856 to 1879.		Foreign Parentage, 24 years, 1856-1879.		American and Foreign Parentage, 24 years, 1856-1879.	
	Number of Deaths.	Percentage in each divi- sion of age.	Number of Deaths.	Percentage in each divi- sion of age.	Number of Deaths.	Percentage in each divi- sion of age.
Under one year.	2,778	17.26	8,550	21.64	6,828	19.47
1 and under 2...	1,056	6.56	1,834	11.18	2,890	8.89
2 and under 5...	1,241	7.71	1,817	11.08	3,058	9.41
Total under 5...	5,075	31.53	7,201	43.90	12,276	37.77
5 and under 10.	839	5.21	837	5.10	1,676	5.16
10 and under 15.	363	2.26	309	1.89	672	2.07
15 and under 20.	575	3.57	512	3.12	1,087	3.34
20 and under 30.	1,500	9.32	1,772	10.80	3,272	10.07
30 and under 40.	1,392	8.65	1,558	9.50	2,950	9.08
40 and under 50.	1,235	7.67	1,235	7.53	2,470	7.60
50 and under 60.	1,311	8.14	1,022	6.23	2,333	7.18
60 and under 70.	1,384	8.60	906	5.52	2,290	7.05
70 and under 80.	1,441	8.95	702	4.29	2,143	6.59
80 and under 90.	833	5.17	272	1.66	1,105	3.40
90 and over.....	149	.93	76	.46	225	.69
Totals.....	16,097	100.00	16,402	100.00	32,499	100.00

In the remarks upon Table XII., were given the number and percentage of all deaths in each quarter of the year, and the largest percentage was in the fourth quarter; the next in the first quarter; the third quarter being third in order, instead of first as is more generally the case. Considering the deaths now in the two classes of parentage, we see that among the decedents of American parentage, the largest percentage was in the first quarter of the year; the next in the fourth quarter; among those of foreign parentage the largest percentage was in the fourth quarter; and the next in the third quarter.

The mortality at different ages and seasons may be seen from Table XVIII. The number of young children who died in 1879, was 57 less than in the previous year; of American parentage, 28 less; of foreign parentage, 29 less; as usual the largest percentage of decedents of this class was in the third quarter of the year, both among the American and foreign; of American parentage the number of children under one year old who died during the year was 140, of whom 57, or 40.71 per cent., died in the third quarter.

Of foreign parentage, the number of decedents under one year old was 176; of whom 79, or 44.89 per cent. died in the third quarter.

Causes of death; sex, age, parentage, and percentage from each cause. Table XIX. gives the number of deaths in 1879 from each cause, according to sex and parentage, and in each division of age; also the percentage from each cause of all from *known* causes.

Season and Disease. Table XX. gives the number of deaths from each cause in each month and quarter of the year, showing the comparative mortality from different causes at different seasons of the year.

TABLE XVIII. Deaths by age and parentage, in each month and quarter, 1879.

DIVISIONS OF THE YEAR.		DIVISIONAL PERIODS OF LIFE.															ALL AGES.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.		
AMERICAN PARENTAGE.	January.....	17	5	11	6	2	2	5	15	6	4	10	17	9	2	107	
	February.....	15	5	10	3	1	1	7	4	1	5	10	7	6	....	75
	March.....	9	6	7	6	1	4	8	9	5	7	8	4	12	....	88
	1st quarter.....	41	16	28	15	4	7	20	28	15	16	28	24	27	2	271	
	April.....	9	5	5	4	2	....	7	10	3	5	8	5	5	....	72
	May.....	4	1	6	5	2	1	12	5	5	2	18	7	4	....	74
	June.....	6	5	7	4	2	1	7	6	3	2	2	6	1	....	48
	2d quarter.....	19	14	13	13	8	2	26	21	11	10	28	19	10	...	194	
	July.....	25	4	7	4	1	....	8	7	4	8	7	12	2	....	90
	August.....	20	7	9	5	....	....	5	2	5	8	6	9	2	1	79
	September.....	11	4	6	4	2	...	3	2	6	5	4	4	4	1	57	
	3d quarter.....	57	15	22	13	4	....	16	11	15	21	17	25	8	2	226
	October.....	9	7	10	11	....	1	2	7	4	5	9	5	4	....	75
	November.....	9	4	12	17	1	2	10	2	3	4	2	6	6	1	82	
	December.....	5	8	21	17	5	2	4	4	5	4	10	4	4	....	83
	4th quarter.....	23	19	43	47	6	6	17	14	12	13	22	15	14	1	250	
	Whole year.....	140	64	106	85	22	15	79	74	53	60	95	83	50	5	941	
FOREIGN PARENTAGE.	January.....	13	2	11	10	1	3	11	7	6	8	10	9	2	....	93
	February.....	6	3	12	5	4	1	13	5	8	11	4	3	1	....	76
	March.....	11	8	12	5	1	....	7	8	7	6	3	3	2	1	74
	1st quarter.....	30	13	35	20	6	4	31	20	21	25	17	15	5	1	243	
	April.....	13	7	6	5	3	2	8	7	6	15	6	11	4	2	95	
	May.....	11	9	10	5	1	4	10	7	3	8	4	5	1	....	78
	June.....	13	1	5	4	1	2	11	5	2	8	9	7	4	....	72
	2d quarter.....	37	17	21	14	5	8	29	19	11	31	19	23	9	2	245	
	July.....	31	4	5	6	2	4	13	9	5	4	5	8	1	....	97
	August.....	25	5	8	2	3	2	8	14	5	5	9	6	1	....	93
	September.....	22	5	9	4	....	2	9	6	3	5	5	4	2	1	77
	3d quarter.....	79	14	23	12	4	8	30	29	13	14	19	18	4	1	267	
	October.....	9	15	25	9	1	2	2	9	5	4	4	4	3	....	92
	November.....	10	10	21	17	5	6	12	7	13	5	7	2	3	....	118
	December.....	11	12	23	17	....	5	10	6	7	13	11	4	...	1	120
	4th quarter.....	30	37	69	43	6	13	24	22	25	22	22	10	6	1	330	
	Whole year.....	176	81	147	89	21	33	114	90	70	92	77	66	21	5	1,085	
	Total Amer. and For.		316	145	253	175	43	48	193	164	123	152	172	149	83	10	2,026

TABLE NO. XIX. DEATHS, 1879. Disease, sex, age, parentage and percentage from each cause.

	AGE PERIODS OF LIFE.										PARENTAGE.		Ratio of deaths to whole number from known cause.
	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.	Foreign.	Total.	
Burns and Scalds.....	1	1	2	1	1	2	1	1	1	6	15	21	.09
" Drowning	1	2	1	1	1	1	1	1	1	2	1	3	.15
" Falls.....	1	1	1	1	1	1	1	1	1	2	6	8	.05
" Poisoning.....	1	1	1	1	1	1	1	1	1	2	4	6	.05
" Railroad.....	1	1	1	1	1	1	1	1	1	1	4	5	.05
Abscesses.....	1	1	1	1	1	1	1	1	1	5	5	10	.05
Anemia.....	1	1	1	1	1	1	1	1	1	1	1	2	.10
Aneurism.....	1	1	1	1	1	1	1	1	1	1	1	1	.05
Aorta, Disease of.....	1	1	1	1	1	1	1	1	1	1	1	1	.05
Apoplexy.....	33	34	56	4	5	11	9	14	9	36	36	72	2.77
Asthma.....	2	2	2	2	2	2	2	2	2	2	2	2	.10
Bladder, Diseases of.....	7	1	8	2	1	1	1	1	1	2	6	8	.40
Bones, Diseases of.....	1	1	2	1	1	1	1	1	1	1	1	2	.10
Brain, Congestion of	5	7	12	1	1	2	1	1	1	5	7	12	.69
" Diseases of.....	11	19	23	2	1	4	1	7	4	18	15	33	1.14

TABLE No. XIX.—CONTINUED. DEATHS, 1879. Disease, sex, age, parentage and percentage from each cause.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.												PARENTAGE.		Ratio of deaths to whole mass for given cause.	Ratio of deaths to whole mass for given known cause.			
	Males.	Females.	Total.	Under 1 Year.	1 and under 2.	2 and under 3.	3 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and over.			American.	Foreign.	Total.
Brain, Inflammation of.....	19	22	41	10	10	6	1	1	1	1	1	1	1	1	1	1	1	12	30	42	2.03	
Bronchitis.	12	22	34	10	8	3	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	12	16	28	1.08
Cancer, (various)....	12	15	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	6	6	1	2	14	27	1.24
“ of Breast.....	.....	8	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	2	3	1	.....	2	2	4	.40
“ of Stomach....	9	8	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	3	2	.....	7	10	17	.24
“ of Uterus.....	.....	14	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	2	3	4	.....	6	8	14	.60
Cancerum Orls.....	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.05
Catarrh.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.05
Cellulitis Pelvic.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.05
Childbirth.....	.....	9	9	.....	.....	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	6	4	10	.43
“ Puerperal Convulsions.....	.....	5	5	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3	2	5	.20
“ Puerperal Fever.....	.....	6	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	2	6	.20
Cholera Infantum.....	20	29	49	23	6	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	21	41	9.98
“ Morbus.....	1	4	5	1	1	2	3	5	.20
Colic.....	.....	2	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.15
Consumption.....	141	152	293	1	2	2	4	10	23	20	62	24	24	24	24	7	1	116	177	293	14.53	
Convulsions.....	33	26	59	43	4	11	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23	27	50	9.93

TABLE No. XIX.—CONTINUED. DEATHS, 1879. Disease, sex, age, parentage, and percentage from each cause.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.												PARENTAGE.			Ratio of deaths from each cause to whole num-ber from known causes.		
	Males.	Females.	Total.	Under 1 Year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.		Foreign.	Total.
Croup.....	26	17	43	4	9	19	10	1	1	1	1	1	1	1	1	1	1	23	21	44	2.13
Debility.....	8	15	23	13	1	1	1	1	1	1	1	1	1	2	2	3	7	7	16	23	1.14
“ Premature Birth.....	6	4	10	10	1	1	1	1	1	1	1	1	1	1	1	1	1	7	3	10	.49
Diabetes.....	2	2	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	.20
Diarrhœa.....	16	14	30	19	6	1	1	1	1	1	1	1	1	1	1	1	1	12	18	30	1.49
“ Chronio.....	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
Diphtheria.....	46	61	107	9	21	45	25	2	2	2	2	2	2	2	2	2	2	54	53	107	5.80
Dropsy.....	4	4	8	8	1	1	1	1	1	1	1	1	1	2	2	2	1	1	3	4	.20
Dysentery.....	5	4	9	2	1	1	1	1	1	1	1	1	1	1	2	1	1	2	6	9	.45
Enteritis.....	9	7	16	8	5	1	1	1	1	2	1	1	1	1	2	2	2	8	8	16	.79
Epilepsy.....	3	3	6	6	1	1	1	1	1	1	2	1	1	1	1	1	1	2	4	6	.30
Erysipelas.....	4	6	10	3	1	1	1	1	1	1	1	1	2	2	2	1	1	3	7	10	.49
Exposure and Neglect.....	1	3	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	.15
Fever, Typhoid.....	19	21	40	1	1	1	5	2	4	11	9	1	1	1	4	2	2	26	14	40	1.98
Gangrene, Senile.....	7	1	8	8	1	1	1	1	1	1	1	1	1	1	2	2	2	6	2	8	.40
Glottis, Spasm of.....	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
Heart, Diseases of.....	55	50	105	2	1	1	3	1	2	5	7	14	20	24	18	9	9	61	44	105	5.21

TABLE No. XIX.—CONTINUED. DEATHS, 1879. *Disease, sex, age, parentage and percentage from each cause.*

DISEASE, SEX, AGE, PARENTAGE.

TABLE XX. DEATHS, 1879. Season and Disease.

CAUSES OF DEATH.	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.	October.	November.	December.	Fourth Quarter.	Whole Year.
Accidents, (all kinds).....	8	8	6	19	8	8	4	10	7	1	5	13	2	10	9	21	56
Apoplexy.....	7	9	2	11	7	8	6	21	6	2	7	15	2	2	5	9	56
Brain, Diseases of.....	10	7	8	25	7	5	5	17	4	4	2	10	10	7	7	24	76
Bronchitis.....	6	4	5	15	4	2	3	9	.....	2	1	3	.....	4	3	7	34
Cancer, (all kinds).....	1	2	6	9	4	8	8	20	7	7	5	19	5	8	5	18	68
Childbirth.....	8	1	1	5	1	.....	1	2	3	1	1	5	.....	4	4	8	20
Cholera Infantum .....	.....	.....	.....	.....	.....	.....	1	1	31	22	4	57	1	.....	.....	1	59
Cholera Morbus.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	1	5	.....	.....	.....	.....	5
Consumption.....	30	27	32	89	23	26	14	63	24	25	20	68	30	22	20	72	233
Convulsions.....	8	6	8	17	5	4	2	11	8	11	5	24	1	1	5	7	59
Croup.....	9	5	8	22	4	2	2	8	.....	.....	.....	.....	4	7	2	13	43
Diarrhoea.....	1	1	.....	2	1	1	4	6	9	7	5	21	.....	2	.....	2	31
Diphtheria.....	10	7	9	26	5	6	10	21	5	7	8	20	18	13	9	40	107
Dysentery.....	.....	.....	.....	.....	2	.....	.....	2	3	2	1	6	1	.....	.....	1	9
Enteritis.....	.....	1	.....	1	2	1	1	4	4	2	1	7	2	.....	2	4	16
Erysipelas.....	1	.....	2	3	2	1	.....	3	1	.....	.....	1	1	1	1	3	10
Fever, Typhoid.....	1	2	5	8	2	7	6	15	3	2	1	6	2	2	7	11	40
Heart, Diseases of.....	11	7	10	28	15	11	6	32	8	12	6	23	5	11	3	25	111

NOTES ON THE CAUSES OF DEATH,

DURING THE YEAR 1879.

In these notes attention is called to some of the facts given in Tables XIX. and XX., and fuller explanation made of them. There are also given additional statistics in regard to many of the causes of death; and the facts are compared with the statistics for the twenty-four years, 1856–1879 inclusive.

The percentage of deaths from the different causes is always reckoned on the number from *known* causes.

There were 2,026 deaths in Providence during the year 1879; of 9 of which the cause was not stated, this was 0.44 per cent. of the whole number; it was 7 less than in 1878, and the per cent., 0.36 less. The number from *known* causes, and on which, therefore, all the percentages are reckoned, was 2,017. During the twenty-four years, 1856–1879, the whole number of deaths was 32,499, of which 31,966 were from known causes; and 533 or 1.64 per cent. were from unknown causes. In the forty years, 1840–1879 inclusive, the number of deaths in Providence, was 45,644; of these 44,109 were from known causes; and 1,535 or 3.36 per cent. from unknown causes.

From Table XX., which gives the number of deaths from different causes in each month and quarter of the year, we may see the comparative prevalence of different diseases in 1879. Of the deaths from bronchitis, croup and pneumonia a large number occurred in the first quarter of the year; of the deaths from diphtheria, 56 per cent. were in the the third and fourth quarters; while of the deaths from scarlatina, 161, or 63.9 per cent. were in the fourth quarter.

Abscesses. There were 5 deaths reported from abscesses in 1879, or 0.25 per cent. of all from known causes; this is the same number and per cent. as in 1878. One was abscess of the pelvis;

Males, 21; females, 3; total, 24, or 0.08 per cent. of all.

American parentage, 8; foreign parentage, 16.

Apoplexy. The number of deaths reported from apoplexy in 1879, was 56, or 2.78 per cent. of all; this was 14 more deaths and 0.65 per cent. more than in 1878. The number of males was 32; of females, 24; American parentage, 28; foreign parentage, 28. (See "Paralysis.")

The following statistics for apoplexy are for the twenty-four years, 1856-1879 :—

Males, 333; females, 343; total, 676, or 2.11 per cent. of all.

American parentage, 474; foreign parentage, 202.

Brain, Diseases of. There were 76 deaths from diseases of the brain in 1879, including 12 from "congestion," and 41 from "inflammation." The percentage of all from known causes was 3.77; the number was 9 more, and the per cent. 0.37 more than in the year previous.

The following are the statistics of sex and parentage :—

Males, 35; females, 41; total, 76, or 3.77 per cent. of all.

American parentage, 41; foreign parentage, 35.

The statistics for the twenty-four years, 1856-1879 :—

Males, 673; females, 567; total, 1,240, or 3.88 per cent. of all.

American parentage, 654; foreign parentage, 586.

Bronchitis. The number of deaths from this cause in 1879, was 34, or 1.68 per cent. of all from known causes; this was 13 less, and 0.70 per cent. less than in 1878. The particulars are as follows :—

Males, 12; females, 22; total, 34, or 1.68 per cent. of all.

American parentage, 18; foreign parentage, 16.

The statistics for the twenty-four years, 1856-1879 are :—

Males, 172; females, 231; total, 403, or 1.26 per cent. of all.

American parentage, 182; foreign parentage, 221.

Cancers. There were 66 deaths from cancers in 1879; this was 18 more than in 1878, and 3.27 per cent. of all. The decedents were: males, 21; females, 45; American parentage, 25; foreign, 41. Of these, 8 had cancer of the breast; 17, cancer of the stomach; and 14, cancer of the uterus. Of the 27 reported as "various," the following were specified: liver, 5; rectum, 3; face, tongue and bowels, 2 each; and one each of the œsophagus, abdomen, neck, orbit of the eye, pelvis, penis, and lymphatics.

The statistics for the twenty-four years, 1856–1879, are:—

Males, 200; females, 561; total, 761, or 2.88 per cent. of all.

American parentage, 486; foreign parentage, 275.

Child-birth. The number of deaths from child-birth in 1879, was 20, which was one less than in 1878; this number was about one per cent. of all the deaths, and 0.80 per cent. of the 2,499 mothers bearing children in 1879. Five of these deaths were from puerperal convulsions, and six from puerperal fever; 11 of the decedents were of American parentage; and 9 of foreign parentage. For the twenty-four years, 1856–1879, the statistics are:—

American parentage, 161; foreign parentage, 218.

Total, 379, or 1.19 per cent. of all deaths from known causes; and 0.88 per cent. of the 45,842 mothers who have borne children during that time.

Cholera Infantum. This was reported as the cause of 59 deaths in 1879, or 2.92 per cent. of all. This was 11 less than in 1878, and the per cent. 0.63 less.

Males, 30; females, 29; total, 59, or 2.92 per cent. of all.

American parentage, 28; foreign parentage, 31.

The following table gives the statistics for each of the 24 years, 1856–1879, and for the whole period:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	35.....	22.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	26.....	24.....	50.....	5.56
1858.....	27.....	23.....	18.....	38.....	49.....	4.92
1859.....	14.....	19.....	13.....	20.....	33.....	3.80
1860.....	35.....	33.....	26.....	42.....	68.....	7.09
1861.....	29.....	32.....	25.....	36.....	61.....	6.02
1862.....	25.....	19.....	17.....	27.....	44.....	4.98
1863.....	36.....	30.....	19.....	47.....	66.....	5.56
1864.....	29.....	29.....	18.....	40.....	58.....	4.63
1865.....	20.....	30.....	13.....	37.....	50.....	4.21
1866.....	30.....	17.....	15.....	32.....	47.....	4.64
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	33.....	32.....	22.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.24
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.00
1872.....	72.....	79.....	58.....	98.....	151.....	9.56
1873.....	42.....	50.....	39.....	58.....	92.....	6.41
1874.....	72.....	62.....	44.....	90.....	134.....	6.83
1875.....	62.....	74.....	50.....	86.....	136.....	7.18
1876.....	66.....	56.....	43.....	79.....	122.....	6.59
1877.....	70.....	52.....	43.....	79.....	122.....	6.31
1878.....	35.....	35.....	26.....	44.....	70.....	3.55
1879.....	30.....	29.....	23.....	31.....	59.....	2.92
24 years.....	931.....	877.....	667.....	1,141.....	1,808.....	5.66

The number for 1879, is less than in any year since 1867, and the percentage the lowest recorded.

Consumption. The number of deaths from this cause in 1879, was 293, or 14.52 per cent. of all; this number was 12 less, and the per cent. 0.94 less than in 1878. The decedents were divided as follows in regard to sex and parentage :—

American parentage.....	males, 58.....	females, 58.....	Total, 116
Foreign parentage.....	males, 83.....	females, 94.....	Total, 177
Total.....	males, 141.....	females, 152.....	Total, 293

The statistics for the twenty-four years, 1856–1879, are as follows :—

	Number.	Per cent.
1870.....	238.....	19.06
1871.....	194.....	15.66
1872.....	241.....	15.26
1873.....	231.....	13.57
1874.....	270.....	13.76
1875.....	299.....	15.79
1876.....	284.....	15.34
1877.....	294.....	15.22
1878.....	305.....	15.46
1879.....	293.....	14.52

The number and percentage of the decedents from consumption in each division of age, were as follows for the year 1879, and for the period of 24 years, 1856 to 1879 inclusive :—

PERIODS.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	TOTAL.
1879.														
Number.....	1	3	3	4	10	23	96	65	84	26	20	7	1	293
Per cent.....	.34	1.02	1.02	1.37	3.41	7.85	32.77	22.19	11.60	8.87	6.83	2.39	.34	100.00
1856-1879.														
Number....	64	63	57	57	109	490	1,652	1,135	748	501	346	134	12	5,368
Per cent....	1.19	1.17	1.06	1.06	2.03	9.13	30.78	21.14	13.94	9.33	6.45	2.50	.22	100.00

Of the 293 decedents from consumption, in 1879, 66.56 per cent. were between twenty and fifty years of age ; 52.22 per cent. lived beyond the age of thirty. The average age of decedents from all causes in 1879, was 28.80 years. Of the 5,368 decedents in 24 years, 65.86 per cent. were between the ages of twenty and fifty ; 53.58 per cent. lived beyond the age of thirty.

Convulsions. There were 59 deaths reported from convulsions in 1879, or 2.92 per cent. of all, and 3 more than in 1878. Two of the decedents were between 5 and 10 years old ; the others all more than five years.

	Males.	Females.	American.	Foreign.	Total.	Percentage.
Acute Diarrhœa.....	16.....	14.....	12.....	18.....	30.....	1.49
Chronic Diarrhœa.....	—.....	1.....	1.....	—.....	1.....	.05
Dysentery.....	5.....	4.....	3.....	6.....	9.....	.45
	—	—	—	—	—	—
Total.....	21.....	19.....	16.....	24.....	40.....	1.99

The following are the statistics of deaths from other diseases of the same class, in the year 1879 :—

	Males.	Females.	American.	Foreign.	Total.	Percentage.
Cholera Infantum.....	30.....	29....	28.....	31.....	59.....	2.92
Cholera Morbus.....	1.....	4.....	—.....	5.....	5..	.25
Enteritis.....	9.....	7.....	8.....	8... ..	16.....	.79
	—	—	—	—	—	—
Total.....	40.....	40.....	36.....	44.....	80.....	3.96

Combining the figures for the five diseases, we find the total, as follows :—

Males, 61; females, 59; total, 120, or 5.95 per cent. of all.

American parentage, 52; foreign parentage, 68.

The number of deaths is 10 less, and the per cent. 0.64 less than in 1878; of males, 1 less; of females, 9 less; and 5 less in each class of parentage.

The statistics of the five diseases for the twenty-four years, 1856–1879, are as follows :—

Number of deaths, 3,615; annual average, 151.

Males, 1,811; females, 1,804; total, 3,615, or 11.31 per cent. of all.

American parentage, 1,468; foreign parentage, 2,147.

Of these decedents, the proportion of those of foreign parentage to those of American parentage in 1879, was 131 to 100; or 56.67 of foreign and 43.33 of American parentage in each 100. Of all decedents in 1879, the proportion was 115 of foreign to 100 of American parentage, or 53.55 foreign, and 46.45 American in each 100. The proportion of the foreign class is considerably larger in this particular class of diseases than in the number of decedents from all causes. A large number of the decedents from these diseases are young children; 75.83 per cent. of those in 1879 being

The percentage in 1879, is lower than in any previous year ; and the number of deaths from the five diseases combined, less than in any year since 1868.

Deaths from Asiatic cholera are not included in these statistics ; they have been as follows : in 1849, 158 ; in 1854, 159 ; in 1866, 14 ; total, 331.

Diphtheria. The number of deaths from this cause in 1879, was 107 ; which was less than half of the number in the preceding year ; yet it prevailed throughout the year to an extent to be considered epidemic ; there were 26 deaths in the first quarter of the year ; 21, in the second quarter ; 20, in the third quarter ; and 40, in the fourth. Of the 107 decedents, 100, or 93.46 per cent., were children under 10 years old.

The statistics of sex and parentage were as follows :—

Males, 46 ; females, 61 ; total, 107, or 5.80 per cent. of all.

American parentage, 54 ; foreign parentage, 53.

The first cases of this disease reported in Providence were in 1858 ; the following are the statistics in regard to it, for the 22 years, 1858–1879 :—

Deaths from known causes in 22 years, 30,038.

From diphtheria, 1,093 ; annual average, 50.

Males, 543 ; females, 550 ; total, 1,093, or 3.64 per cent. of all.

American parentage, 527 ; foreign parentage, 566.

In the following table are given the statistics as to sex, parentage, season and locality, for each of the twenty-two years, 1858–1879, and for the whole period :—

The connection of season with the mortality from diphtheria is a subject which has received considerable attention in these reports, since the disease has prevailed so extensively in our city; and facts of importance and interest are shown by the study, particularly when compared with similar statistics in regard to scarlatina and croup.

The following table shows the number and the percentage of deaths in Providence, from diphtheria, scarlatina, and croup, in each month and quarter of the year. The figures for scarlatina and croup include the aggregate mortality from these diseases during the twenty-five years, from 1855 to 1879 inclusive. The figures for diphtheria are for twenty-two years, from 1858 to 1879 inclusive.

MONTHS.	DIPHTHERIA. 1858-1879.		SCARLATINA. 1855-1879.		CROUP. 1855-1879.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January	101	9.24	207	11.49	101	13.17
February.....	71	6.49	184	10.22	89	11.60
March.....	86	7.87	159	8.88	86	11.21
1st quarter.....	258	23.60	550	30.54	276	35.98
April.....	72	6.59	151	8.38	64	8.34
May.....	68	6.22	157	8.72	42	5.48
June.....	67	6.13	145	8.05	27	3.52
2d quarter.....	207	18.94	453	25.15	133	17.34
July.....	41	3.75	96	5.33	27	3.52
August.....	44	4.06	75	4.16	11	1.43
September.....	93	8.51	88	4.89	40	5.22
3d quarter.....	178	16.29	259	14.38	78	10.17
October.....	170	15.55	128	7.11	73	9.52
November.....	158	14.46	173	9.61	99	12.91
December.....	122	11.16	238	13.21	108	14.08
4th quarter.....	450	41.17	539	29.98	280	36.51
Totals.....	1,068	100.00	1,801	100.00	767	100.00

cases each year since then ; but the table on page 64, shows that for a long time the number in each year was small ; the whole number in the eighteen years, from 1858 to 1875 inclusive, being only 334, or an average of 18.5 annually. But since 1876 it has prevailed as a severe epidemic, and in the four years, 1876 to 1879 inclusive, the number of deaths from this cause was 759, more than twice as many as in the eighteen years previous, and giving an annual average of 189.7 deaths during the epidemic ; the annual average during the whole period of twenty-two years, 1858 to 1879, was nearly 50.

To show the differences between the statistics of the disease as epidemic or not epidemic, the following table has been prepared, which shows, side by side, certain statistics of diphtheria in Providence, *first*, for eighteen years, from 1858 to 1875 inclusive, when the disease was not at any time epidemic ; *second*, for the four years, from 1876 to 1879 inclusive, when the disease prevailed as a very severe epidemic, and *third*, for the two periods combined :—

quarters of the year there is a decreased comparative mortality when the disease is epidemic, in the first quarter, and an increased mortality in the other seasons of the year.

By periods of four months the percentages of mortality were as follows:—

DIPHTHERIA.

SEASONS.	1858-1875.		1876-1879.		1858-1879.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	114	34.13	216	28.45	330	30.19
2d 4 months.....	67	20.06	153	20.16	220	20.13
3d 4 months.	153	45.81	390	51.39	543	49.68

By periods of six months, the percentages of mortality were as follows:—

DIPHTHERIA.

SEASONS.	1858-1875.		1876-1879.		1858-1879.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 6 months.....	153	45.51	313	41.23	466	43.54
2d 6 months.....	182	54.49	446	58.77	628	57.46

At all times, we see that the disease is more prevalent in the latter part of the year, but the difference between the earlier and later parts of the year is much greater when the disease is epidemic.

There are also very great differences in regard to sex and parentage in the mortality from diphtheria, when epidemic or not epidemic. In the first period, 1858-1875, the decedents were 48.50 males, and 51.50 females in each 100; but from 1876-1879, when the disease was epidemic, the proportions were 50.20 males and 49.80 females in each 100. The same change is true in regard to parentage; during the first period, there were 58.68 of American and 41.32 of foreign parentage in each 100 decedents; but from 1876 to 1879, there were 43.61 of American, and 56.39 of foreign parentage in each 100.

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1866.....	8.....	13.....	16.....	5.....	21.....	2.03
1867.....	13.....	18.....	22.....	9.....	31.....	3.45
1868.....	18.....	23.....	28.....	8.....	36.....	3.61
1869.....	13.....	11.....	17.....	7.....	24.....	2.76
1870.....	15.....	16.....	21.....	10.....	31.....	3.23
1871.....	23.....	18.....	29.....	12.....	41.....	4.05
1872.....	26.....	23.....	33.....	16.....	49.....	5.54
1873.....	23.....	19.....	30.....	12.....	42.....	3.54
1874.....	26.....	32.....	44.....	14.....	58.....	4.63
1875.....	18.....	29.....	33.....	14.....	47.....	3.95
1876.....	19.....	21.....	27.....	13.....	40.....	3.95
1877.....	26.....	23.....	35.....	14.....	49.....	5.19
1878.....	25.....	27.....	34.....	18.....	52.....	4.79
1879.....	33.....	29.....	35.....	27.....	62.....	5.00
1870.....	28.....	31.....	33.....	26.....	59.....	4.72
1871.....	40.....	37.....	46.....	31.....	77.....	6.22
1872.....	43.....	49.....	68.....	29.....	92.....	5.82
1873.....	46.....	54.....	59.....	41.....	100.....	5.88
1874.....	46.....	58.....	62.....	42.....	104.....	5.29
1875.....	43.....	45.....	47.....	41.....	88.....	4.65
1876.....	41.....	47.....	51.....	37.....	88.....	4.75
1877.....	47.....	46.....	53.....	40.....	93.....	4.81
1878.....	39.....	44.....	45.....	38.....	83.....	4.21
1879.....	57.....	54.....	63.....	48.....	111.....	5.51
24 years' total...	711.....	767.....	926.....	552.....	1,478.....	4.62

The number of deaths from heart disease in 1879 was greater than in any previous year, though there are four years when the percentage was greater: 1862, 1871, 1872 and 1873. Of the 1,478 decedents 62.65 per cent. were of American, and 37.35 per cent. of foreign parentage.

Hemorrhage. Ten deaths from this cause were reported in 1879; this was 4 less than in 1878, and 0.50 per cent. of all from known causes.

Males, 4; females, 6.

American parentage, 5; foreign parentage, 5.

In the table, 3 are specified as “hemorrhage from the lungs,” and 1 “from the stomach;” there were also 2 cases of “uterine hemorrhage,” and one of “cerebral.”

Whole number, 248 : annual average, 10.

Males, 120; females, 128; total, 248, or 0.78 per cent. of all.

American parentage, 177; foreign parentage, 71.

Many of these deaths occurred at Butler Hospital for the insane, which is within the limits of the city, but where the patients, of course, are from many other places than Providence.

Intemperance. This was the cause of 7 deaths in 1879, including 2 from delirium tremens; the whole number was two less than in 1878. All the decedents were males; 2 of American, and 5 of foreign parentage; 0.35 per cent. of all from known causes.

The following statistics are for twenty-three years, 1857-1879 :—

Whole number from known causes, 80,938.

From intemperance, 229 : annual average, 10.

Males, 168; females, 61; total, 229, or 0.74 per cent. of all.

American parentage, 66; foreign parentage, 163.

Of the 229 decedents, 73.36 per cent. were males; and 71.18 per cent. of foreign parentage.

Kidneys, Diseases of, caused 43 deaths in 1879; 4 less than in 1878. Of these deaths, 30 were from "Bright's Disease."

The statistics for the year 1879 are :—

Males, 26; females, 17; total, 43, or 2.13 per cent. of all.

American parentage, 20; foreign parentage, 23.

For the twenty-four years, 1856-1879 :—

Whole number, 480; annual average, 20.

Males, 286; females, 194; total, 480, or 1.50 per cent. of all.

American parentage, 274; foreign parentage, 206.

Liver, Diseases of. The number of deaths from diseases of the liver in 1879 was 21; 3 more than in 1878, and 1.04 per cent. of all from known causes.

Males, 13; females, 8; total, 21, or 1.04 per cent. of all.

American parentage, 9; foreign parentage, 12.

For the twenty-four years, 1856-1879, the numbers are :—

Whole number, 358; annual average, 15.

Males, 181; females, 177; total, 358, or 1.12 per cent. of all.

American parentage, 175; foreign parentage, 183.

Males, 100; females, 107; total, 207, or 0.65 per cent. of all.

American parentage, 60; foreign parentage, 147.

Of the 207 decedents, 71.01 per cent. were of foreign parentage.

Meningitis, Cerebro-Spinal. There were 7 deaths from this cause in 1879, the same number as in each of the two preceding years.

Males, 6; female, 1; total, 7, or 0.35 per cent. of all.

American parentage, 4; foreign parentage, 3.

The first cases of this disease in Providence were reported in 1864, since when the number in each year has been as follows:—

1864.....	2	1870.....	0	1876.....	4
1865.....	2	1871.....	12	1877.....	7
1866.....	1	1872.....	10	1878.....	7
1867.....	0	1873.....	39	1879.....	7
1868.....	1	1874.....	10		—
1869.....	0	1875.....	6	Total, 16 years..	106

Whole number from known causes, in 16 years, 24,129.

From cerebro-spinal meningitis, 108.

Males, 61; females, 47; total, 108, or 0.45 per cent. of all.

American parentage, 52; foreign parentage, 56.

The number and percentage of deaths in each division of age and according to sex and parentage, were as follows for the sixteen years, 1864-1879 inclusive:—

The statistics for apoplexy and paralysis are generally given together in this connection; the following are the figures for each of the 24 years, 1856–1879:—

Years.	Apoplexy.	Paralysis.	Total.	Years.	Apoplexy.	Paralysis.	Total.
1856.....	21.....	2.....	23	1869.....	32.....	16	48
1857	18.....	9.....	27	1870.....	28.....	24.....	52
1858.....	15.....	3.....	18	1871.....	33.....	28.....	61
1859	16.....	6.....	22	1872.....	31.....	20.....	51
1860.	17.....	11.....	28	1873....	36.....	21.....	57
1861.....	14.....	11.....	25	1874.....	36.....	23.....	59
1862.....	19.....	5.....	24	1875.....	41.....	35.....	76
1863.....	20.....	8.....	28	1876.....	44.....	24.....	68
1864.....	13.....	16.....	29	1877.....	50.....	24.....	74
1865.....	20.....	18.....	38	1878.....	42.....	24.....	66
1866.....	21.....	8	29	1879.....	56.....	30.....	86
1867	31.....	18.....	49		—	—	—
1868.....	22.....	24.....	46	Totals, 24 y'rs.	676.....	408.....	1,084

The statistics of both causes for the 24 years, as regards sex and parentage are:—

Whole number, 1,084; annual average, 45.

Males, 546; females, 538; total, 1,084, or 3.39 per cent. of all.

American parentage, 780; foreign parentage, 304.

The decedents were 71.96 per cent. of American parentage, and 28.04 of foreign parentage.

Peritonitis. The number of deaths from this cause in 1879, was 14; 3 less than in the previous year.

Males, 6; females, 8; total, 14, or 0.69 per cent. of all.

American parentage, 8; foreign parentage, 6;

The statistics for the 24 years, 1856–1879, are as follows:—

Whole number, 215; annual average, 9.

Males, 96; females, 119; total, 215, or 0.67 per cent. of all.

American parentage, 122; foreign parentage, 93.

Pneumonia. There were 145 deaths from pneumonia and 14 from congestion of the lungs, in 1879; total, 159; this was 19 more than in 1878, and 61 more than in 1877. The deaths in the different seasons of the year were:—

1st quarter.....	74	3d quarter.....	11
2d quarter.....	36	4th quarter.....	38

Of these decedents, 68, or 42.77 per cent. were under 10 years of age ; and 57, or 35.85 per cent. were over 50.

Males, 76; females, 83; total, 159, or 7.88 per cent. of all.

American parentage, 73; foreign parentage, 86.

The statistics for the 24 years, 1856–1879, are :—

Whole number, 2,316; annual average, 96.

Males, 1,192; females, 1,124; total, 2,316, or 7.25 per cent. of all.

American parentage, 1,167; foreign parentage, 1,149.

Scarlatina. This disease prevailed in Providence in 1879, as a very severe epidemic, especially in the latter part of the year. The number of deaths caused by it was 252, a larger number than ever before in a single year, except in the epidemic of 1874, when there were 268 deaths. The decedents were divided as to age as follows: under 1 year, 9; between 1 and 2 years, 29; between 2 and 5, 113, or 44.84 per cent. of all the decedents from this cause; between 5 and 10 years, 85; between 10 and 15, 12; between 20 and 30, 3; between 30 and 40, 1.

The deaths were distributed through the year as follows :—

1st quarter.....	84	3d quarter.....	34
2d quarter.....	28	4th quarter.....	161

The 161 deaths in the fourth quarter of the year were 63.84 per cent. of the whole number; the largest number in any one month was 71 in December, a larger number than ever occurred in the city before in any one month. The largest number in one ward was 54, in the ninth ward. The statistics of sex and parentage are :—

Males, 135; females, 117; total, 252, or 12.49 per cent. of all.

American parentage, 101; foreign parentage, 151.

The statistics for the 24 years, 1856–1879, are—

Whole number, 1,759; annual average, 73.

Males, 856; females, 903; total, 1,759, or 5.50 per cent. of all.

American parentage, 734; foreign parentage, 1,025.

The following table gives the particulars of sex, parentage, season, and locality for each of the 25 years, 1855–1879, and for the whole period :—

SCARLATINA IN PROVIDENCE, TWENTY-FIVE YEARS.

SCARLATINA.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	Total.
Whole number	42	144	32	72	45	17	28	14	35	141	109	3	10	50	138	35	21	19	132	268	98	85	12	57	252	1,801
Percentage....	4.37	14.00	3.55	7.23	5.18	1.77	2.76	1.53	2.78	11.91	9.08	0.39	1.06	4.60	11.19	2.80	1.69	1.30	7.76	13.66	4.91	1.87	0.62	2.89	12.49	6.47
SEX:																										
Males.....	29	76	18	34	24	7	12	6	13	68	55	1	8	26	61	15	13	8	62	140	40	16	4	25	135	878
Females....	21	69	19	38	21	10	16	8	20	73	53	2	7	24	77	20	8	11	70	128	53	19	8	32	117	923
PARENTAGE:																										
American....	19	74	16	33	31	11	14	8	16	50	49	2	7	16	52	13	9	8	58	77	53	14	3	17	101	753
Foreign.....	23	70	14	34	14	6	14	11	17	91	59	1	3	34	86	22	12	11	74	191	40	21	9	40	151	1,048
SEASONS:																										
January.....	.....	21	8	8	8	3	4	1	1	1	20	1	1	1	35	13	3	...	8	29	19	4	3	2	13	207
February.....	.....	21	1	8	9	.....	.....	.....	5	4	22	.....	2	4	17	5	7	3	6	31	19	6	.....	2	12	184
March.....	1	33	4	3	3	1	1	2	5	8	13	.....	.....	2	19	5	4	2	5	21	10	6	.....	2	9	159
April.....	5	24	3	16	3	.....	1	1	4	6	13	1	.....	1	11	4	1	3	6	27	9	.....	2	1	9	151
May.....	4	14	4	10	4	6	4	4	6	14	18	.....	1	1	8	.....	2	6	10	21	10	4	1	2	10	157
June.....	2	12	2	7	1	3	4	1	5	8	16	1	.....	2	4	3	1	.....	11	41	5	6	.....	5	4	145
July	1	4	4	7	2	1	6	1	1	8	9	.....	.....	2	4	1	.....	.....	10	16	3	.....	.....	11	5	93
August.....	2	3	1	1	1	1	2	.....	.....	6	4	.....	.....	4	11	.....	.....	.....	12	7	4	.....	.....	6	10	75
September...	.....	2	2	3	4	4	2	.....	1	8	.....	.....	.....	1	10	.....	.....	.....	17	12	2	1	.....	3	19	88
October.....	2	1	1	3	4	1	1	1	.....	11	2	.....	.....	4	10	1	1	1	9	19	2	7	.....	15	26	123
November...	13	3	1	5	.....	.....	1	1	.....	35	1	.....	1	7	7	.....	1	1	15	16	7	1	4	3	54	173
December...	19	6	2	4	6	1	2	2	6	32	.....	.....	2	14	8	3	1	2	23	23	3	1	2	8	71	233
LOCALITY:																										
Ward	6	26	15	5	6	4	12	3	8	11	8	.....	4	18	34	1	1	5	36	41	13	4	.....	5	33	299
"	1	7	3	5	1	2	2	2	1	10	3	.....	2	.....	9	.....	2	.....	2	3	5	.....	.....	1	7	68
"	16	27	2	4	12	1	5	2	6	17	26	1	1	.....	35	1	4	.....	12	39	10	.....	.....	3	38	281
"	3	10	1	7	3	.....	1	2	8	10	8	.....	.....	1	5	1	1	.....	2	15	1	1	.....	.....	12	87
"	1	23	4	13	5	.....	2	3	2	20	10	.....	1	3	19	4	3	4	8	24	8	1	3	18	24	210
"	8	24	6	23	10	2	6	2	3	30	23	2	1	4	10	5	2	.....	9	9	13	2	.....	3	10	213
"	7	22	1	15	8	2	1	.....	5	43	22	.....	1	2	8	7	2	.....	11	27	4	2	.....	1	15	214
"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	9	3	4	13	18	15	7	2	3	25	116
"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	6	8	.....	39	34	9	14	3	11	64	199
"	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	7	3	.....	.....	58	16	4	3	6	34	120

A comparison of the statistics of scarlatina with those of diphtheria and croup, is given under the head of "diphtheria."

Scrofula. The number of deaths from scrofula in 1879 was 5; 2 less than in 1878.

Male, 1; females, 4; total, 5, or 0.25 per cent. of all.
American parentage, 3; foreign parentage, 2.

Small-pox. There have been no deaths from small-pox in Providence, since 1875. For the twenty-four years, 1856-1879, the statistics are as follows:—

Males, 58; females, 21; total, 79, or 0.25 per cent of all.
American parentage, 48; foreign parentage, 31.

The particulars for each year are as follows:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	0.87
1857.....						
1858.....						
1859.....	2.....	3.....	5.....		5.....	0.57
1860.....	4.....	1.....	3.....	2.....	5.....	0.53
1861.....						
1862.....	2.....	2.....	1.....	3.....	4.....	0.45
1863.....						
1864.....	7.....		3.....	4.....	7.....	0.56
1865.....	9.....	2.....	8.....	3.....	11.....	0.98
1866.....						
1867.....	1.....		1.....		1.....	0.11
1868.....	1.....		1.....		1.....	0.09
1869.....	3.....		3.....		3.....	0.24
1870.....		2.....		2.....	2.....	0.16
1871.....		3.....	1.....	2.....	3.....	0.24
1872.....	9.....	4.....	9.....	4.....	13.....	0.92
1873.....	12.....	2.....	8.....	6.....	14.....	0.92
1874.....						
1875.....	1.....			1.....	1.....	0.01
1876.....						
1877.....						
1878.....						
1879.....						
24 years' total..	58.....	21.....	48.....	31.....	79.....	0.25

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Skin, Diseases of. There were 2 deaths from diseases of the skin in 1879, one male, and one female; one of American, and one of foreign parentage; 0.10 per cent. of all from known causes.

Spine, Diseases of. The number of deaths from diseases of the spine was 6; 2 more than in 1878, and 0.30 per cent. of all. Males, 4; females, 2; American parentage, 3; foreign, 3.

Stomach, Diseases of. The deaths from diseases of the stomach in 1879, numbered 15; 11 of which were called "inflammation;" the number was one more than in the previous year, and 0.74 per cent. of all. Males, 6; females, 9; American parentage, 7; foreign parentage, 8.

Suicide. There were 6 cases of suicide in 1879; one less than in 1878. In one case it was by laudanum; in one, by Paris green; in one, by hanging; in one, by prusic acid; in two by shooting.

Males, 5; females, 1; total 6, or 0.30 per cent. of all.

American parentage, 2; foreign parentage, 4.

The statistics for the 24 years, 1856-1879, are:—

Males, 103; females, 42; total, 145, or 0.45 per cent of all.

American parentage, 81; foreign parentage, 64.

Teething. The number of deaths ascribed to this cause in 1879, was 13; 6 more than in 1878.

Males, 4; females, 9; total, 13, or 0.64 per cent. of all.

American parentage, 5; foreign parentage, 8.

Tuberculosis. There were 20 deaths reported from tuberculosis in 1879; 3 more than in 1878.

Males, 9; females, 11; total, 20, or 0.99 per cent. of all.

American parentage, 10; foreign parentage, 10.

This number is very small in comparison with the number of diseases that might properly be classed under this head. There

are many tubercular diseases, as consumption, hydrocephelus and others, which if united in this general class, would show a larger percentage than any other cause.

Tumors. There were 7 deaths caused by tumors in 1879; 1 more than in 1878, and 0.35 per cent. of all from known causes; all the decedents were females; 4 of American, and 3 of foreign parentage. The tumors were specified as follows: 2, abdominal; 2, ovarian; 3, uterine.

Unknown Causes. The number of deaths in 1879, for which no cause was reported was 9; this was 7 less than in 1878.

Males, 4; females, 5; total 9, or 0.44 per cent. of all deaths in 1879. American parentage, 6; foreign, 3. Five of the decedents were less than one year old.

The statistics for the twenty-four years, 1856-1879, are:—

Whole number, 533; annual average, 22.

Males, 277; females, 256; total, 533, or 1.64 per cent. of all.

American parentage, 176; foreign parentage, 357.

Of the 533 decedents, 66.98 per cent. were of foreign parentage.

STILL-BORN.

The statistics of still-born children in Providence, in 1879, were as follows :—

Number. The number of this class was 122; 19 less than in 1878, and 4.84 per cent. of the 2,522 children born in 1879, or one in 20.67. The number in 1878, should have been 141 instead of 139 as given in the report for that year.

Sex. The number of males was 63, or 19 less than in 1878; the number of females was 59, the same as in the previous year.

Color. White, 112; colored, 10.

Locality. First ward, 19; second, 2; third, 9; fourth, 2; fifth, 11; sixth, 7; seventh, 8; eighth, 15; ninth, 22; tenth, 27.

Season. January, 12; February, March, and April, 7 each; May, 11; June, 12; July, 14; August, 11; September, 10; October, 14; November, 7; December, 10.

The number and percentage in each quarter of the year were as follows :—

	Number.	Per cent.		Number.	Per cent.
1st quarter.....	26.....	21.31	3d quarter.....	35.....	28.69
2d quarter	30.....	24.59	4th quarter.....	31.....	25.41

In the following table, the first letter indicates the birth-place of the father, the second, that of the mother.

A. and A.....	60	E. and A.....	3	A. and E.....	3
I. and I.....	30	G. and A.....	1	I. and E.....	1
E. and E.....	7	B. A. and A.....	1	S. and I.....	1
G. and G.....	1	S. and A.....	1	I. and S.....	1
B. A. and B. A.....	2	P. and A.....	1	E. and S.....	1
It. and It.....	1	A. and I.....	2	A. and B. A.....	1
I. and A.....	3	B. A. and I.....	1	Total.	123

A.—American; I.—Irish; E.—English; S.—Scotch; G.—German; B. A.—British American; It.—Italian; P.—Portuguese

STILL-BORN.

85

Reckoning the parentage according to the *mother's* birth-place, the still-born children were in 24 years, as follows:—

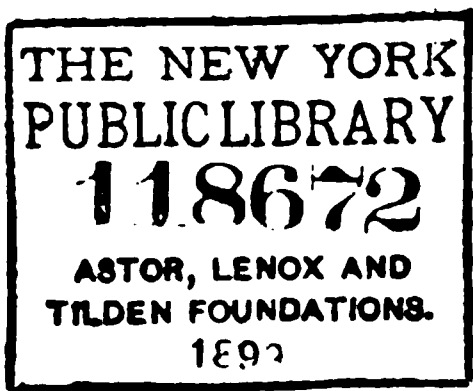
American parentage.....	1,159
Irish.....	1,272
English, Scotch or Welch.....	161
German	28
British American.....	63
Portuguese.....	15
Other foreign.....	22
Unknown.....	7
<hr/>	
Total still born.....	2,727

BIRTHS AND DEATHS BY PARENTAGE.

The following recapitulatory table shows the number of births and deaths, by parentage, in Providence, in each of the twenty-four years, from 1856-1879 inclusive. In the three years, 1863, 1864, and 1865, there was an excess of deaths over the births, in the population of American parentage:—

TABLE XXII.

YEAR.	AMERICAN PARENTAGE.			FOREIGN PARENTAGE.		
	Deaths.	Births.	Excess of Births.	Deaths.	Births.	Excess of Births.
1856.....	541	759	218	524	916	392
1857.....	523	701	178	402	987	585
1858.....	512	771	259	505	953	448
1859.....	479	659	180	420	934	514
1860.....	512	731	219	489	917	428
1861.....	538	740	202	513	985	472
1862.....	460	663	203	454	866	412
1863.....	597	523	—60	617	779	162
1864.....	649	579	—70	632	765	133
1865.....	631	546	—85	580	752	172
1866.....	513	726	213	523	906	383
1867.....	528	725	197	432	899	467
1868.....	596	882	286	514	984	470
1869.....	627	926	299	629	893	264
1870.....	642	890	248	621	999	378
1871.....	643	980	337	611	980	369
1872.....	832	1,035	203	771	1,171	400
1873.....	862	1,008	141	857	1,125	268
1874.....	885	1,217	332	1,102	1,563	461
1875.....	914	1,180	266	1,001	1,484	483
1876.....	875	1,169	294	990	1,462	472
1877.....	908	1,238	330	1,030	1,305	275
1878.....	869	1,215	346	1,100	1,412	312
1879.....	941	1,228	287	1,085	1,294	209
24 years.....	16,097	21,091	4,994	16,402	25,331	8,929



THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved May 20, 1881.]

RESOLVED, That the twenty-sixth annual report of the City Registrar, for the year ending December 31, 1880, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy : witness,

HENRY V. A. JOSLIN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE, }
PROVIDENCE, May 16, 1881. }

To the Honorable the City Council :

The Twenty-Sixth Annual Report of the City Registrar is herewith presented, being for the year ending December 31, 1880. During that year, there were 2,627 children born in Providence, 2,464 persons were married, and 2,080 persons died. The children born were 105 more, the persons married, 322 more, and the decedents, 54 more than in the year 1879.

According to the national census of 1880, the population of the city was 104,857, of whom 101,211 were whites, and 3,646 were colored. The ratio of births, marriages, and deaths, to population, for the year 1880, was therefore as follows :—

2,627 births, or one in 39.91; or 25.05 in each 1,000.

2,464 persons married, or one in 42.55; or 23.50 in each 1,000.

2,080 decedents, or one in 50.41; or 19.84 in each 1,000.

Among the white population of the city, there was, in 1880, one death in 51.01, or 19.60 in each 1,000; among the colored population there was one death in 37.98, or 26.33 in each 1,000.

The present report contains all the usual, and some additional annual and recapitulatory tables; and also, a table showing the population of Providence according to the census of 1880, by wards, and by nativity, sex, and color.

EDWIN M. SNOW, M. D.,
Superintendent of Health and City Registrar.

CITY REGISTRAR'S REPORT.

1880.

BIRTHS.

In the year 1880, there were 2,627 children born in the city of Providence.

The following table shows how many children were born in each month and quarter of the year, in each ward of the city, and for the whole city the number of each sex, and the number of colored children born in each month and quarter of the year :—

TABLE I. BIRTHS, 1880. *Wards, Months, Sex, and Color.*

PROVIDENCE. 1880.	WARDS.										Whole City.			Colored children included in the preceding.		
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.	Males.	Females.	Total.	M.	F.	Total.
January.....	25	3	13	13	14	6	19	19	43	53	104	109	213	2	3	5
February.....	24	4	20	7	24	6	19	22	40	31	98	99	197	2	2	4
March.....	31	3	22	12	21	7	21	22	42	50	130	101	231	5	2	7
1st Quarter. ...	80	10	55	32	59	19	59	63	125	139	332	309	641	9	7	16
April.....	33	4	16	8	12	7	18	21	32	34	91	94	185	2	2	4
May.....	34	10	21	7	22	4	19	22	28	41	94	114	208	3	2	5
June.....	33	7	20	10	22	8	26	28	40	47	127	114	241	9	5	14
2d Quarter.....	100	21	57	25	56	19	63	71	100	122	312	322	634	14	9	23
July.....	27	7	11	11	22	8	24	30	31	64	128	108	236	4	3	7
August.....	23	3	27	10	16	8	23	17	37	49	123	90	213	3	8	11
September.. ...	32	3	22	11	15	12	22	25	28	40	107	110	217	4	7	11
3d Quarter.....	87	13	67	32	54	28	69	72	96	153	363	308	671	11	18	29
October.....	29	5	21	9	18	6	21	32	30	49	122	98	220	3	1	4
November.....	21	6	18	9	21	11	20	30	43	54	113	120	233	5	2	7
December.....	24	7	21	14	27	6	19	20	41	49	121	107	228	9	3	12
4th Quarter.....	74	18	60	32	66	23	60	82	114	152	356	325	681	17	6	23
Whole Year....	341	62	232	121	235	89	251	288	435	566	1,363	1,264	2,627	51	40	91

The number of children born in Providence, in 1880, was the same as in the year 1878, and 105 more than in 1879; males, 66 more; females, 39 more. As to season, there was an increase in each quarter of the year 1880, as compared with 1879, except in the second, when the number of births was 14 less. The second, sixth and eighth wards show respectively a loss of 12, 14 and 9 in the number of children born; total loss, 35. In the other seven wards, collectively; there was an increase of 140; the greatest gain in any one ward being 50 in the seventh ward. By the United States Census, taken in June, 1880, the population of Providence was 104,857. The ratio of births for the year, therefore, was one in 39.91 of the population; or 25.05 births in each thousand inhabitants.

Season. The largest number of births in any one month of 1880 was 241 in June; the smallest, 185 in April. The largest quarterly total was 681, in the fourth quarter; the smallest, 634, in the second. The number of births in the first six months of the year was 1,275; an increase of 40 over the number in the same period of 1879; the number in the last six months of the year was 1,352; an increase of 65 over the corresponding period of the year previous. In 1880 the difference between the number in the two divisions of the year was 77; in 1879 it was 52.

The number of births in each quarter of the year 1880, and the aggregate number in the corresponding seasons, for the twenty-four years preceding, 1856-1879, and the number for the twenty-five years, 1856-1880, inclusive, were as follows:—

	Jan. March.	April. June.	First 6 mos.	July. Sept.	Oct. Dec.	Second 6 mos.	Whole Year.
Twenty-four years.....	11,309....	11,554....	22,863....	11,528....	12,061....	23,539....	46,422
1880.....	641....	634....	1,275 ...	671....	681....	1,352....	2,622
Twenty-five years.....	11,950....	12,188 ...	24,138 ...	12,199....	12,712....	24,911....	49,000

The following figures give the aggregate monthly totals of births in Providence for the twenty-six years, 1855-1880, inclusive; also the daily average for each month, and for the whole period:—

BIRTHS: WARDS, SEX, SEASON.

3

Births in	January.	February.	March.	April.	May.	June.
26 years, 1855-1880.....	3,995.....	3,280.....	4,432.....	3,903.....	4,181.....	4,467
Daily average.....	4.96.....	5.28.....	5.50.....	5.00.....	5.19.....	5.73

Births in	July.	August.	Sept.	Oct.	Nov.	Dec.
26 years, 1855-1880	4,177.....	4,255.	4,182.....	4,372.....	4,279.....	4,526
Daily average.....	5.18	5.28.....	5.36.....	5.42.....	5.49.....	5.62

Whole number of births in 26 years, 50,619; daily average, 5.33.

The largest aggregate number of births in any month was in December; the smallest, in February; the highest daily average was in June; the lowest, in January. There were six months in which the daily average was above the general average of the whole period, namely: March, June, September, October, November and December; in the other months the daily average was less than the general average.

Sex and Locality. The following table will show the number of children, and the number of each sex, born in each ward, in each quarter and during the whole year, 1880 :—

TABLE II. BIRTHS, 1880. *Wards, Sex, and Season.*

WARDS.	1st Quarter.			2d Quarter.			3d Quarter.			4th Quarter.			Whole Year.		
	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total	M.	F.	Total
I.....	47	83	80	54	46	100	43	44	87	43	31	74	187	154	341
II.....	6	4	10	8	13	21	6	7	13	9	9	18	29	33	62
III.....	31	24	55	26	31	57	32	35	67	34	26	60	123	116	239
IV.....	19	13	32	9	16	25	21	11	32	13	19	32	63	59	121
V.....	28	31	59	25	31	56	34	20	54	35	31	66	122	113	235
VI.....	8	11	19	11	8	19	16	12	28	18	5	23	53	36	89
VII.....	30	29	59	30	33	63	32	37	69	28	32	60	120	131	251
VIII.....	27	36	63	31	40	71	42	30	72	44	38	82	144	144	288
IX.....	71	54	125	55	45	100	53	43	96	54	60	114	233	202	435
X.....	65	74	139	63	59	122	84	69	153	78	74	152	290	276	566
Whole City..	332	309	641	312	322	634	363	308	671	356	325	681	1,363	1,284	2,627

BIRTHS: SEX; COLOR.

5

	Males.	Females.	Males.	Females.	Males.	Females.
1854....	711 and	658; or 108.0 to 100; or 51.91 and 48.09 in each 100 born.				
1855.....	807 and	793; or 101.7 to 100; or 50.41 and 49.58 in each 100 born.				
1856.....	891 and	784; or 113.6 to 100; or 53.19 and 46.81 in each 100 born.				
1857.....	873 and	816; or 106.8 to 100; or 51.66 and 48.34 in each 100 born.				
1858.....	890 and	834; or 106.7 to 100; or 51.62 and 48.38 in each 100 born.				
1859.....	825 and	768; or 107.4 to 100; or 51.79 and 48.21 in each 100 born.				
1860.....	809 and	839; or 98.4 to 100; or 49.09 and 50.91 in each 100 born.				
1861.....	936 and	789; or 118.6 to 100; or 51.26 and 48.74 in each 100 born.				
1862.....	791 and	738; or 107.3 to 100; or 51.73 and 48.27 in each 100 born.				
1863.....	689 and	618; or 111.4 to 100; or 52.71 and 47.29 in each 100 born.				
1864.....	663 and	681; or 97.3 to 100; or 49.33 and 50.67 in each 100 born.				
1865.....	691 and	607; or 113.8 to 100; or 53.24 and 46.76 in each 100 born.				
1866.....	849 and	783; or 108.4 to 100; or 52.02 and 47.98 in each 100 born.				
1867.....	830 and	794; or 104.5 to 100; or 51.11 and 48.89 in each 100 born.				
1868.....	944 and	922; or 102.4 to 100; or 50.59 and 49.41 in each 100 born.				
1869.....	945 and	874; or 108.1 to 100; or 51.95 and 48.05 in each 100 born.				
1870.....	967 and	922; or 104.8 to 100; or 51.19 and 48.81 in each 100 born.				
1871.....	956 and	1,004; or 95.6 to 100; or 48.78 and 51.22 in each 100 born.				
1872.....	1,079 and	1,127; or 95.7 to 100; or 48.91 and 51.09 in each 100 born.				
1873.....	1,109 and	1,019; or 108.8 to 100; or 52.11 and 47.89 in each 100 born.				
1874.....	1,406 and	1,372; or 102.6 to 100; or 50.65 and 49.35 in each 100 born.				
1875.....	1,390 and	1,374; or 109.1 to 100; or 52.18 and 47.82 in each 100 born.				
1876.....	1,359 and	1,372; or 106.8 to 100; or 51.65 and 48.35 in each 100 born.				
1877.....	1,302 and	1,241; or 104.9 to 100; or 51.20 and 48.80 in each 100 born.				
1878.....	1,356 and	1,269; or 107.0 to 100; or 51.69 and 48.31 in each 100 born.				
1879.....	1,297 and	1,225; or 105.9 to 100; or 51.43 and 48.57 in each 100 born.				
1880.....	1,263 and	1,264; or 107.8 to 100; or 51.38 and 48.62 in each 100 born.				
27 years ..	26,731 and	25,287; or 105.7 to 100; or 51.39 and 48.61 in each 100 born.				

Color. There were 91 colored children born in the city, during the year 1880, which was 13 less than in 1879, and is less than in any year since 1871, when the number was the same as in 1880. By the United States Census of June, 1880, the colored population of Providence numbered 3,646; the ratio of births to population in this class was, therefore, one birth in 40.07 of the colored inhabitants of the city; or 24.96 in each thousand persons. On page 2 it was stated that the ratio of the whole number of births to the total population of the city was one in 39.91; or 25.05 births in each thousand. The white population of the city was 101,211; the number of white children born in 1880 was 2,536; the ratio for this class, therefore,

The births, marriages and deaths of colored people in Providence in the 25 years, 1856-1880, inclusive, have been as follows:—

Twenty-four years, 1856-1879.....	1,803 births.....	876 marriages.....	1,880 deaths.
1880.....	91 births.....	57 marriages	98 deaths.
Twenty-five years, 1856-1880.....	1,894 births.....	933 marriages.....	1,978 deaths.

In 1880, the proportion of deaths to births in this class was 105.5 to 100; in the 25 years, 1856-1880, it was 105.3 deaths to 100 births.

PARENTAGE.

The variety of nationalities represented in the population of the city makes the subject of the parentage of the children born, one of interest and importance.

Table III. gives the number of children, according to parentage, born in each ward of the city; and the number and percentage of each nationality in the whole city. Where the parents of a child were of different foreign nations, the parentage is given according to the birth-place of the father:—

TABLE III. BIRTHS, 1880. *Wards and Parentage.*

BIRTHS: PARENTAGE.

9

The number of children in each class is larger than in 1879 ; but of the children of American parentage the percentage is slightly less ; while of those of foreign parentage it is a little larger than in the previous year. Of the children of American fathers and foreign mothers the percentage was less in 1880 than in 1879, but larger than in any other year ; and of children of foreign fathers and American mothers the percentage was larger than in any previous year of the record.

The following table shows the percentage of children born in Providence, of parents of each nation, for each of the twenty-five years, 1856-1880 :—

	American.	Irish.	English, S. & W.	German.	British American.	Portuguese.	Other for'n.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per ct.
1856.....	42.09.....	41.79	4.84.....	2.27....	—.....	—.....	2.27
1857.....	38.51.....	44.33.....	5.92	3.73..	—.....	—.....	1.54
1858.....	41.30.....	42.98.....	4.82.....	2.28.....	—.....	—.....	1.33
1859.....	37.60.....	45.58.....	5.34.....	3.26.....	—.....	—.....	1.51
1860.....	40.11.....	40.96.	6.55.....	2.85.....	—.....	—.....	1.64
1861.....	37.91.....	42.61.....	6.03	2.49.....	—.....	—.....	1.97
1862.....	38.52.....	41.53.....	6.02.....	3.07..	—.....	—.....	1.64
1863.....	35.73.....	43.08.....	6.35.....	2.98.....	—.....	—.....	1.99
1864	38.69.....	41.36.....	6.55.....	2.75.....	—.....	—.....	1.34
1865.....	36.67.....	42.99.....	5.93.....	1.85.....	—.....	—.....	1.93
1866.....	40.90.....	39.52....	6.25.....	2.21.....	—	—	2.32
1867.....	39.72.....	37.81.....	5.68	3.02.....	—.....	—.....	2.21
1868.....	41.75....	36.01.....	6.48.....	1.88.....	1.07	—.....	1.07
1869.....	45.19.....	34.14.....	4.01	1.81.....	1.32.....	—.....	1.38
1870.....	42.35	31.68.....	6.19.....	1.96.....	1.91	—.....	.90
1871.....	44.85.....	32.25.....	4.54.....	1.63.....	2.09.....	—	1.73
1872.....	41.12.....	32.46.....	5.67.....	2.77.....	2.31.....	—	2.31
1873.....	40.84.....	30.50	7.19.....	1.88.....	2.49.....	—.....	2.16
1874.....	38.42.....	32.63.....	8.18.....	2.34.....	2.19.....	1.22.....	1.19
1875.....	37.50.....	31.53.....	7.69.....	2.85.....	2.67.....	.98.....	1.43
1876.....	38.27.....	31.05.....	7.75.....	2.59	2.89.....	1.22.....	1.25
1877.....	41.45... ..	28.06.....	6.96	1.93.....	2.56.....	1.10.....	1.30
1878.....	39.40.....	29.65.....	6.74.....	2.53.....	2.86.....	1.18.....	1.71
1879.....	40.80.....	27.04.....	6.82.....	1.93.....	2.54.....	.96.....	1.70
1880.....	39.90.....	26.15.....	7.50.....	1.67....	3.27.....	1.60.....	1.33

The British-American were included in the “ other foreign ” until 1868, and the Portuguese until 1874. The highest percentage of

American parentage in any year was 45.19 in 1869; the lowest, 35.73 in 1863. The highest percentage of Irish parentage was 45.56 in 1859; the lowest, 26.15 in 1880. The percentage of English and Scotch parentage in 1880 was larger than in any year since 1876; that of German parentage was smaller than in any year since 1871; the percentages of British-American and Portuguese parentage were larger than in any previous year.

More exact statistics as to the parentage of the children born in Providence in 1880, are given in Table IV. which shows the birth-places of both parents:—

TABLE IV. BIRTHS, 1880. *Parentage.*

Of the 2,627 children born in Providence in 1880, 1,048, or 39.90 per cent. of all, were of purely American parentage; this was 19 more children, but 0.90 per cent. less than in the previous year. There were also 204 children with American fathers and foreign mothers, which made 1,252 children, or 47.67 per cent. of all, who were children of American fathers. There were 284 children of

American mothers and foreign fathers ; this gives a total of 1,332 children of American mothers, which was 50.71 per cent. of the whole number. Of the two classes of children of mixed parentage (that is where one parent was American and one foreign) the number was 488, or 18.58 per cent. of all. Of children of purely foreign parentage the number was 1,091, or 41.52 per cent. of all ; this was 56 more children, and 0.48 per cent. more than in 1879. Of these 1,091 children there were 937 whose parents were natives of the same foreign country ; this was 85.88 per cent. of the number of children of foreign parentage, and 35.66 per cent. of the whole number of children born during the year. There were 154 children whose parents were natives of different foreign countries ; this was 14.12 per cent. of the 1,091 children of foreign parentage, and 5.86 per cent. of the 2,627 children born during the year.

NUMBER OF THE CHILD.

Table V. shows how many of the 2,627 children born during the year 1880 were the first, second, third, fourth, &c., children of their mothers ; also the same statistics as to the 48,022 children born in the twenty-five years preceding, 1855–1879, inclusive :—

TABLE V. BIRTHS, 1880. *Number of the Child.*

NUMBER OF CHILD.	1880.	25 years, 1855–1879.	NUMBER OF CHILD.	1880.	25 years. 1855–1879.
<i>First</i> child of the mother	612	11,824	<i>Twelfth</i> child of the moth'r	6	194
<i>Second</i> " " "	467	9,895	<i>Thirteenth</i> " " "	3	79
<i>Third</i> " " "	424	7,689	<i>Fourteenth</i> " " "	5	35
<i>Fourth</i> " " "	337	5,782	<i>Fifteenth</i> " " "	.....	16
<i>Fifth</i> " " "	254	4,186	<i>Sixteenth</i> " " "	3	3
<i>Sixth</i> " " "	180	3,044	<i>Seventeenth</i> " " "	.....	7
<i>Seventh</i> " " "	131	2,134	<i>Eighteenth</i> " " "	.....	1
<i>Eighth</i> " " "	82	1,365	<i>Nineteenth</i> " " "	.....	4
<i>Ninth</i> " " "	55	835			
<i>Tenth</i> " " "	39	572	Whole number of chil-		
<i>Eleventh</i> " " "	26	307	dren.... ..	2,627	48,022

Of the 2,627 children born in 1880, 612 or 23.30 per cent. were the first children their mothers had borne: this was 1.06 per cent. more than the same class of children in 1879. Of the 48,022 children born in the twenty-five years, 1855-1879, 11,824 or 24.62 per cent. were the first children of their mothers.

Average number of children to each mother. The number of twin births in 1880 was 27; the whole number of mothers in 1880, was, therefore, 2,600. Table VII. shows that these mothers had borne, in all, 9,386 children, giving an average of 3.61 children to each mother.

The next table shows the average number of children to each mother, in each of the twenty-six years, 1855 to 1880, inclusive. This table shows the number of children the mothers included in the figures had borne, previous to the end of the year 1880; but it does not show the average number of children the same mothers may have in their life-time:

TABLE VI. BIRTHS, 1855 TO 1880.

Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate No. of children.	Average.
1855.....	1,588.....	1,600.....	5,214.....	3.28 children to each mother.
1856.....	1,658.....	1,675.....	5,562.....	3.35 children to each mother.
1857.....	1,664.....	1,688.....	5,736.....	3.44 children to each mother.
1858.....	1,706.....	1,724.....	5,685.....	3.33 children to each mother.
1859.....	1,570.....	1,583.....	5,618.....	3.58 children to each mother.
1860.....	1,627.....	1,648.....	5,841	3.59 children to each mother.
1861.....	1,694.....	1,725.....	6,017.....	3.55 children to each mother.
1862.....	1,512.....	1,529.....	5,322.....	3.52 children to each mother.
1863.....	1 296.....	1,307.....	4,717	3.64 children to each mother.
1864.....	1,327.....	1,344.....	4,887.....	3.68 children to each mother.
1865.....	1,279.....	1,298.....	4,625.....	3.60 children to each mother.
1866.....	1,614.....	1,632.....	5,744	3.56 children to each mother.
1867.....	1,595	1,624.....	5,497.....	3.50 children to each mother.
1868.	1,841.....	1,866.....	6,338.....	3.44 children to each mother.
1869.....	1,797.....	1,819.....	5,954.... ..	3.30 children to each mother.
1870.....	1,859.....	1,889.....	6,145.....	3.31 children to each mother.
1871.....	1,937.....	1,960.....	6,420.....	3.31 children to each mother.
1872.....	2,174.....	2,206.....	7,346.....	3.38 children to each mother.
1873.....	2,104.....	2,128.....	6,731.....	3.20 children to each mother.
1874.....	2,738..... ..	2,780.....	8,960.....	3.27 children to each mother.
1875.....	2,634.....	2,664.....	8,977.....	3.41 children to each mother.
1876.....	2,604	2,631.	8,914.....	3.42 children to each mother.
1877.....	2,516.....	2,543.....	8,705.....	3.46 children to each mother.
1878.....	2,597	2,627.....	9,417.....	3.63 children to each mother.
1879.....	2,499...	2,522.....	8,943.....	3.58 children to each mother.
1880.....	2,600.....	2,627.....	9,386.....	3.61 children to each mother.
26 years.... ..	50,030.....	50,649.....	172,701.....	3.45 children to each mother.

Table VII. gives the number of the child, in connection with the age of the mother ; shows how many first, second, &c., children were born in 1880 to mothers at the respective ages given ; the number of mothers at each age ; and the aggregate and average number of children they had borne :—

The reference marks in this table show the age of the mother and the number of children in each case of plurality-birth; thus at the age of 28, four mothers bore twins; in one case they were the second and third children, and in three cases they were the third and fourth children; at the age of 38, two mothers bore twins; in one case, the seventh and eighth children; in one, the tenth and eleventh.

In Table VII. for 1879, as printed in the report for that year, there were several errors; thus the total number was wrong of children borne by mothers at the following ages: 21 years, 23, 24, 27, 28, 33, 34, 35, 36, and 39; consequently the average number of children, borne by mothers at these ages, was also wrong. The whole number of children borne by mothers of all ages should have been 8,943, instead of 9,039; but the general average of the whole, 3.58, was right. There was also a typographical error in the number of children borne, in 1879, by mothers at the age of 34; instead of 04, it should have been 104.

There was one woman of 50 years of age who bore a child in 1880, having had five children before. The number of women 40 years old and over who bore children in 1880 was 128, the total number of children borne by them was 930, an average of 7.27 children to each mother. In the seventeen years and six months during which the record has been kept of the ages of the mothers, there have been 1,797 mothers of 40 years and over who have borne 13,632 children; an average of 7.59 children to each mother.

During this period, from July 1, 1863, to December 31, 1880, the number of children borne by mothers whose age was given was 36,722, the number of children borne by mothers of each age during this time is given in the following table:—

Age of mother.	Children.	Age of mother.	Children.	Age of mother.	Children.
14.....	5	27.....	2,210	40.....	854
15.....	19	28.....	2,588	41.....	233
16.....	52	29.....	1,847	42.....	238
17.....	151	30.....	2,963	43.....	157
18.....	397	31.....	1,235	44.....	102
19.....	641	32.....	1,785	45.....	106
20.....	1,049	33.....	1,451	46.....	29
21.....	1,199	34.....	1,239	47.....	24
22.....	1,783	35.....	1,842	48.....	12
23.....	1,961	36.....	1,106	49.....	3
24.....	2,187	37.....	907	50.....	9
25.....	2,466	38.....	981		
26.....	2,256	39.....	626	All known ages, 36,722	

The mothers of these 36,722 children were divided as follows as to age :—

Under twenty years.....	1,265
Twenty, and under twenty-five.....	8,179
Twenty-five, and under thirty.....	11,367
Thirty, and under thirty-five....	8,635
Thirty-five, and under forty.....	5,471
Forty, and under forty-five.....	1,684
Forty-five, and over.....	183
Total.....	36,722

Of these 36,722 children, 20,811, or 56.67 per cent., were born by mothers less than thirty years of age ; 14,094, or 38.38 per cent., by mothers between thirty and forty years of age ; and 1,817, or 4.95 per cent., by mothers forty years old and over.

PLURALITY BIRTHS.

There were, in 1880, 27 cases of plurality births in Providence: this was four more than in 1879.

The following are the statistics of these cases :—

Cases, 27 ; number of children, 54.

Locality. First ward, 5 ; second, 1 ; third, 2 ; fourth, none ; fifth, 2 ; sixth, 1 ; seventh, 3 ; eighth, none ; ninth, 4 ; tenth, 9.

Season. January, 3 ; February, 1 ; March, 3 ; April, 2 ; May, 2 ; June, 5 ; July, 3 ; August, 1 ; September, 4 ; October, none ; November, 2 ; December, 1.

Sex. In eleven cases both children were males ; in eight both were females ; in eight there was one child of each sex ; in all, thirty male and twenty-four female children.

Color. The twins were children of white parents in every case but one.

Number of the Children and Age of the Mother. By means of the reference marks in Table VII. may be found the age of the mother and number of the children in each case. In three cases, they were the first and second children, of mothers respectively 20, 26, and

33 years old ; in four cases, the second and third children of mothers, 20, 24, 28, and 32 years old ; in seven cases, the third and fourth children of mothers, three of whom were 28 years old, and the others 25, 26, 27, and 33 ; in one case the fourth and fifth children of a mother 25 years old ; in two cases, the fifth and sixth children of mothers 29 and 40 years old ; in two, the sixth and seventh children of mothers 30 and 35 years old ; in three, the seventh and eighth children of mothers 35, 36, and 38 years old ; in two, the eighth and ninth children of mothers 36 and 37 years old ; in one, the ninth and tenth children of a mother 36 years old ; in two cases, the tenth and eleventh children of mothers 38 and 39 years old. There were thirteen cases where the mothers were less than thirty years old.

Parentage. In eight cases both parents were American ; in fourteen both were Irish ; in one both were English ; in two both were Portuguese ; in one the father was English and the mother American ; and in one the father American and the mother British American.

TWENTY-SIX YEARS' SUMMARY OF PLURALITY BIRTHS.

In twenty-six years, 1855–1880 inclusive, the number of cases of plurality births in Providence has been 610 ; 601 of twins, and 9 of triplets ; the whole number of children in these cases being 1,229.

Sex. Of the nine cases of triplets, in one case, all the children were males ; in five cases, all were females ; and in three cases, there were two male children and one female ; making 9 male and 18 female children in the nine cases.

Of the 601 cases of twins, there were 197 in which both of the children were males ; 206 in which both were females ; and 198 in which there was one male and one female child ; total, 592 males and 610 females. Of the 1,229 children of all the cases of plurality births, there were 601 males, and 628 females ; a proportion of 104.5 females to 100 males ; or 51.10 girls and 48.90 boys in each 100.

Color. In all the cases of triplets the parents were white. Of the 601 cases of twins, in 579 the parents were white, and in 22 they were colored.

Parentage. Of the triplets, in one case, the parents were both American ; in five cases, both were Irish ; in one case, both German ;

in one, the father was English, and the mother Irish ; and in one the father Scotch, and the mother Irish.

In the following table for the 601 cases of twin-births, the nativity of both parents is given ; the first letter representing the father's birth-place, and the second the mother's.

In this table, some errors found in the table given in the report for 1879, have been corrected in adding the figures for 1880, so that the totals are correct for the twenty-six years.

A., American ; I., Irish ; E., English ; S., Scotch ; W., Welsh ; G., German : B. A., British American ; D., Dutch ; P., Portuguese : It., Italian ; Sw., Swedish.

Parentage.	No.	Parentage.	No.	Parentage.	No.	Parentage.	No.
A. and A.....	198	I. and A.....	14	G. and I.....	1	A. and S.....	1
I. and I.....	235	E. and A.....	13	B. A. and I.....	1	I. and S.....	3
E. and E.....	29	S. and A.....	2	Sw. and I.....	1	E. and S.....	1
S. and S.....	6	B. A. and A.....	6	It. and I.....	1	I. and W.....	1
G. and G.....	15	G. and A.....	2	P. and I.....	1	A. and B. A.....	6
B. A. and B. A...	10	Sw. and A... ..	1	A. and E.....	3	I. and B. A.....	3
D. and D.....	1	A. and I.....	13	I. and E.....	6	F. and B. A.....	1
P. and P.....	9	E. and I.....	11	S. and E.....	1	S. and B. A.....	1
It. and It.....	1	S. and I.....	3	G. and E.....	1	Total.....	31

From these figures we see that of the 601 cases of twin-births, there were 236 in which the mothers were natives of the United States ; this was 39.27 per cent. of the whole number ; in 267 cases, or 44.43 per cent., the mothers were Irish.

Of the 610 cases of plurality births in the twenty-six years, the American mothers numbered 237 ; the foreign mothers, 373. The whole number of American mothers bearing children during this period was 23,496 ; the 237 mothers in cases of plurality births were, therefore, 1.01 per cent. of this number ; the whole number of foreign mothers who bore children during the same period was 26,534 : so that the 373 foreign mothers in cases of plurality births were 1.41 per cent. of all the foreign mothers.

Proportion of plurality births to whole number. The following figures show the number and proportion of plurality births, as compared with the whole number of births, for the year 1880, and for the twenty-five years previous, 1855-1879; also for the whole period of twenty-six years, 1855-1880, inclusive:—

	Single Births.	Twin.	Triplet.	Births. Whole No.	Children. Whole No.
25 years, 1855-1879.....	46,847.....	574.....	9.....	47,430.....	48,022
1880.....	2 573.....	27.....	0.....	2,600.....	2,627
26 years' totals.....	49,420.....	601.....	9.....	50,030.....	50,649

Proportion of cases of plurality births:—

	Twins.	Triplets.
1855-1879.....	1 in 82.6.....	1 in 5,270.0
1880.....	1 in 96.8.....	
1855-1880.....	1 in 83.2.....	1 in 5,558.8

Proportion of children of plurality births:—

	Twins.	Triplets.
1855-1879.....	1 in 41.8.....	1 in 1,778.6
1880.....	1 in 48.6.....	
1855-1880.....	1 in 42.1.....	1 in 1,875.9

Proportion of plurality births by parentage. The number of births in the twenty-six years, 1855-1880, inclusive, was 50,030. The following figures show the number of births of American, foreign and mixed parentage, and the number and proportion of plurality cases in each class:—

	Whole No. Births.	Plurality Cases.	1 in	Per Ct.
American parents.....	20,069.....	199.....	100.8	or 0.99
Foreign parents.....	23,798.....	350.....	67.9	or 1.47
Am. father, foreign mother....	2,736.....	23.....	118.9	or 0.84
Foreign father, Am. mother ..	3,427.....	38	90.2	or 1.11
Total.....	50,030.....	610.....	82.0	or 1.22

Of the 610 cases, the 199 of purely American parentage were 32.62 per cent.; the 350 of foreign parentage were 57.38 per cent.; the 23 with American father and foreign mother, 3.77 per cent.; and the 38 with foreign father and American mother, 6.23 per cent.

MARRIAGES.

There were 1,232 marriages in Providence in the year 1899.

Table VIII. shows the number in each month and quarter of the year 1899, and in each of the six years preceding: also the aggregate and average number for each month and quarter of the twenty-six years, 1873-1898. Inclusive:—

TABLE VIII. MARRIAGES. Summary.

MONTHS.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	25 years 1873-1898.	25 years average.
January.....	105	102	70	67	73	75	95	1,305	73
February.....	100	85	73	65	82	79	87	1,711	68
March.....	88	47	73	88	44	71	58	1,110	43
1st Quarter. ...	293	234	216	171	238	225	240	4,726	183
April.....	98	83	77	83	70	84	95	1,731	68
May.....	108	93	68	85	80	82	113	1,803	73
June.....	111	95	104	93	94	100	101	1,960	76
2d Quarter.....	318	271	249	251	244	266	309	5,395	215
July.....	97	50	94	85	56	101	88	1,573	64
August.....	75	88	62	76	62	73	80	1,444	56
September.....	115	105	95	87	93	111	129	2,024	78
3d Quarter.....	287	253	249	248	211	285	297	5,143	196
October.....	108	103	99	99	95	107	127	2,229	85
November.....	148	128	115	102	100	114	114	2,433	94
December.....	113	76	82	82	74	82	93	1,789	68
4th Quarter.....	369	307	296	263	303	334	334	6,455	248
Yearly totals.....	1,232	1,071	1,016	953	949	1,079	1,170	21,919	848

The number of marriages in 1880 is the largest ever recorded in the city for one year ; it is 161 more than in 1879, and is 389 more than the average number for twenty-six years. As the population of the city by the Census in 1880 was 104,857, the 2,464 persons married during the year give a ratio of one in each 42.55 of the population ; or 23.50 persons married in each thousand inhabitants. The ratio of persons married to births was 93.80 to 100 ; of persons married to deaths 118.5 to 100. In 1879 the ratio of persons married to children born was 85 to 100 ; of persons married to deaths, 105.7 to 100.

Season. According to the rule which has generally prevailed, the larger number of these marriages occurred in the last six months of the year, the largest quarterly total being 369 in the fourth quarter ; the smallest quarterly total was 258 in the first quarter. The largest number in any one month was 148 in November ; the smallest, 53, in March. From the aggregate number of marriages for twenty-six years, as given in Table VIII., it seems that of each 100 marriages about 25 occur in the winter months of December, January and February ; 22 in the spring months ; 23 in the summer ; and 30 in the autumn.

The number and percentage of marriages in each quarter of the year 1880 are given below ; also the corresponding figures for the period of twenty-five years, 1855-1879, inclusive :—

	1880.		1855-1879.	
	Marriages.	Per Cent.	Marriages.	Per Cent
January-March.....	258.....	20.94.....	4,409.....	21.60
April-June.....	318	25.81.....	5,275.....	25.50
July-September.....	287.....	23.30.....	4,856.....	23.47
October-December.....	369.....	29.95.....	6,087.....	29.43
Total.....	1,232.....	100.00.....	20,687....	100.00

In Table IX. are given the birth-places of the brides and bridegrooms, in each of the 1,232 marriages of the year 1880 :—

There were 1,235 marriages contracted, of which 285 were those in which the
year.

Bride and Groom born in different countries. Every year this table shows some curious facts as to the intermarriage of the different nations represented in our population. There were 285 marriages, or 23.13 per cent. of all, in which the persons were of different

nationalities ; this is 45 more than in 1879, and 0.72 per cent. less. Of these 285 marriages, there were 99, or 34.73 per cent., in which the groom was born in the United States ; and 140 others, or 49.12 per cent., in which the bride was born in the United States. The 99 grooms born in the United States, who married women of other countries, were 11.66 per cent. of the whole number of grooms (849) who were natives of this country ; of the 177 grooms born in Ireland, 58, or 32.77 per cent., married women of other countries than their own ; of the 102 born in England or Scotland, 62, or 60.79 per cent. ; of those born in Germany, 78.95 per cent. ; of those born in British America, 62.96 per cent. Of the 890 brides born in the United States, 140, or 15.73 per cent., married men of other countries ; of the 184 born in Ireland, 65, or 35.33 per cent. ; of those born in England or Scotland, 48.05 per cent. ; of those born in Germany, 33.33 per cent ; of those born in British America, 63.63 per cent.

The 24 grooms born in “ other countries ” than those specified in the table, were natives of the following countries : Italy, 9 ; Sweden, 8 ; France 3 ; Poland, 2 ; Brazil and British West Indies, 1 each.

The 15 brides born in “ other countries ” were natives of the following countries : Sweden, 6 ; Switzerland and Italy, 2 each ; Austria, Poland, Cuba, South America and Sandwich Islands, 1 each.

The number and percentage of American, foreign and mixed marriages in each of the twenty-six years from 1855–1880, inclusive, are given in the following table. By mixed marriages are understood those where one of the parties was of American, and the other of foreign nativity :—

Year.	American.		Foreign.		Mixed.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1855.....	308.....	48.73.....	265.....	41.93.....	59.....	4.34.....
1856.....	352.....	54.74.....	212.....	32.97.....	79.....	12.29.....
1857.....	384.....	62.54.....	175.....	28.50.....	55.....	8.95.....
1858.....	283.....	50.54.....	214.....	38.21.....	63.....	11.25.....
1859.....	333.....	51.50.....	224.....	36.66.....	54.....	8.84.....
1860.....	336.....	54.19.....	225.....	36.29.....	59.....	9.52.....
1861.....	304.....	55.58.....	182.....	33.27.....	61.....	11.15.....
1862.....	288.....	52.65.....	179.....	32.73.....	80.....	14.62.....
1863.....	342.....	56.07.....	192.....	31.47.....	76.....	12.46.....
1864.....	427.....	57.78.....	211.....	28.55.....	101.....	13.66.....
1865.....	417.....	58.82.....	202.....	28.49.....	90.....	12.69.....
1866.....	471.....	58.00.....	244.....	30.05.....	97.....	11.95.....
1867.....	485.....	56.73.....	269.....	31.46.....	101.....	11.81.....
1868.....	530.....	60.78.....	215.....	24.66.....	127.....	14.56.....
1869.....	530.....	56.99.....	286.....	30.75.....	114.....	12.26.....
1870.....	552.....	57.56.....	262.....	27.32.....	145.....	15.12.....
1871.....	523.....	55.46.....	278.....	29.48.....	142.....	14.96.....
1872.....	591.....	54.52.....	305.....	28.14.....	188.....	17.34.....
1873.....	652.....	56.69.....	317.....	27.57.....	191.....	16.74.....
1874.....	648.....	55.10.....	346.....	29.42.....	182.....	16.48.....
1875.....	586.....	51.31.....	320.....	29.66.....	173.....	16.03.....
1876.....	547.....	57.64.....	241.....	25.39.....	161.....	15.11.....
1877.....	545.....	57.19.....	233.....	24.45.....	175.....	16.36.....
1878.....	601.....	59.15.....	245.....	24.12.....	170.....	15.76.....
1879.....	653.....	60.97.....	217.....	20.26.....	201.....	18.77.....
1880.....	750.....	60.88.....	243.....	19.73.....	239.....	18.39.....
26 years....	12,438.....	56.76.....	6,303.....	28.76.....	3,173.....	14.48.....

The proportion of foreign marriages has steadily decreased for a number of years, and in 1880 was smaller than ever before; on the other hand, the proportion of mixed marriages has increased, and was larger in 1880 than in any previous year. The proportion of American marriages, though slightly less than in 1879, was larger than in any other year of the record except 1857, when it was exceptionally large. The whole number of marriages in this table is 21,913; in Table VIII., the total number for the same period was given as 21,919. This discrepancy is owing to omissions in some of the early years of the records, and is explained in the report for 1879, page 22. There are almost every year reports of marriages brought in too late

to be reckoned in making up these tables ; they are afterwards added to the numbers for each year as given in Table XXI. at the end of the book, and the true number of marriages for the twenty-six years, 1855-1880, as given there, is 21,950.

Marriages of Colored Persons. There were 57 marriages, in 1880, among the colored people of the city ; this was 14 more than in 1879, and is more than in any year since 1874. The aggregate and average age of the persons married in 1880 were as follows :—

57 males.....	Aggregate age, 1,776 years.....	Average age, 31.16 years.
57 females.....	Aggregate age, 1,444 years	Average age, 25.33 years.

In the twenty-five years, 1856-1880, inclusive, the number of marriages of colored persons in Providence was 928 ; the aggregate and average age of the persons as follows :—

928 males.....	Aggregate age, 27,342 years.....	Average age, 29.46 years.
928 females.....	Aggregate age, 24,299 years.....	Average age, 26.18 years.

Age of persons married. Table X. gives the number and percentage of brides and grooms in each division of ages :—

TABLE X. MARRIAGES, 1880. *Ages of the Parties.*

AGES OF THE GROOMS.	AGES OF THE BRIDES.							Whole number of Grooms.	Percentage of Grooms at each age.
	Under 20 years.	20 to 25.	25 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.		
Under 20 years.....	17	4						21	1.70
20 to 25.....	106	250	87	4				397	32.22
25 to 30.....	44	213	98	24				379	30.76
30 to 40.....	14	82	110	80	11			297	24.10
40 to 50.....	2	8	14	48	12	1		85	6.90
50 to 60.....			8	16	14	1	8	37	3.03
60 to 70.....				4	5	1	2	12	0.97
70 to 80		1			2	1		4	0.32
Whole number of Brides....	183	558	262	176	44	4	5	1,232	
Percentage of Brides.....	14.86	45.29	21.27	14.28	3.57	.32	.41		100.00

The number of males and females does not agree in this table, because in 1856 the ages of 17 males and 19 females, and in 1857 the ages of 7 males and 8 females, were not given.

Number of the Marriage. Table XI. shows how many of the 1,232 marriages in Providence during the year 1880, were the first, second, third, etc., marriages of the parties :—

TABLE XI. MARRIAGES, 1880. *Number of Times Married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.				Whole number of Grooms.
	First.	Second.	Third.	Fourth.	
First.....	924	61	1	1	987
Second.....	187	86	4	.....	297
Third.....	8	5	2	.....	15
Fourth.....	2	1	.....	.....	3
Whole number of Brides..	1,071	153	7	1	1,232

The 924 cases where it was the first marriage of both parties, were 75 per cent. of the whole number ; in 86 cases, or 6.98 per cent. of all, it was the second marriage of both ; in 137 cases it was the second marriage of the groom, and the first of the bride ; this was 11.12 per cent. of all the marriages.

Denominational. The 1,232 marriages of 1880, were solemnized by the clergymen of different denominations in the city as follows :—

Roman Catholic.....	407	Seaman's Mission.....	11
Calvinistic Baptist.....	132	Advent Christian.....	5
Free Baptist	60	Evangelical Advent	14
Methodist.....	208	Latter Day Saints.....	10
Episcopalian.....	155	Hebrew.....	4
Congregational.....	97	Bethel Pastor.....	2
Unitarian.....	39	Denomination not specified.....	4
Universalist.....	50		
Presbyterian.....	17	Total.....	1,232
Christian... ..	8		

Nativity and Residence. There were 101 marriages in 1880, or 8.20 per cent. of the whole number, in which both parties were natives of Providence; there were 128 other marriages, or 10.39 per cent. of all, in which the groom only was born in this city, and 217, or 17.61 per cent., where the bride only was born here; there were in all, therefore, 547 persons married here in 1880, who were natives of the city; this was 22.20 per cent. of all the persons married during the year.

There were 206 marriages, or 16.72 per cent. of all, where neither party was a resident of the city; of these 206 marriages there were 132 where both parties were not only not residents of the city, but came from outside of the State; and in 104 of these cases both were residents of Massachusetts; in 15 others one of the parties was from that State.

Marriage and Education. There were 2,464 persons married in Providence in 1880, of whom the following particulars are given, as to sex and nativity:—

Born in United States.....	Males, 849.....	Females, 890.....	Total, 1,739
Born in foreign countries.....	Males, 383.....	Females, 342.....	Total, 725

Of these the number and proportion in each class who could not write their names, and signed the marriage certificate with a mark, were as follows:—

1880.	Whole Number Married.	Signed with a Mark.	In Each 100.
Males, born in United States.....	849.....	24.....	2.8
Females, born in United States.....	890.....	62.....	6.9
Total, born in United States	1,739.....	86.....	4.9
Males, born in foreign countries.....	383.....	64.....	16.71
Females, born in foreign countries.....	342.....	120.....	35.00
Total, born in foreign countries.....	725	184.....	25.38
Totals.....	2,464.....	270.....	10.95

Of the 86 persons of American nativity who signed the marriage certificate with a mark, there were 22 (10 males and 12 females)

who were colored persons; and 55 (11 males and 44 females) who were children of foreign parents; there were, therefore, only 9 persons (3 males and 6 females) of white American parentage, who were unable to sign their names; this was 5 less than in 1879.

The whole number of persons who signed with a mark in 1880 was 30 more than in 1879; but the proportion of these to the whole number of persons married was 0.24 less; of those born in the United States the number was 6 more; the number of males in this class being 8 less, and of females 14 more. The proportion of Americans signing with the mark in 1880 was 0.36 less than in 1879. Of those born in foreign countries the number in 1880 who signed with a mark was 24 more than in the previous year; of males, 2 less; of females, 26 more. The proportion of all in this class in 1880 was 0.18 more than in the preceding year.

The statistics for the twenty-one years, 1859-1879, inclusive, are as follows:—

1880-1879.	Whole Number Married.	Signed with a Mark.	In Each 100.
Males, born in United States.....	11,594.....	561.....	4.84
Females, born in United States.....	11,806.....	794.....	6.73
Total, born in United States.....	23,400.....	1,355.....	5.79
Males, born in foreign countries	6,638.....	2,159.....	32.52
Females, born in foreign countries.....	4,426.....	3,104.....	46.33
Total, born in foreign countries.....	11,064.....	5,263.....	40.90
Totals.....	34,464.....	6,619.....	19.21

DEATHS.

The number of deaths reported in Providence for the year 1880 was 2,080. This was 54 more than in 1879; males, 9 less; females, 63 more; whites, 70 more; colored, 16 less; natives of the United States, 6 more: of foreign countries, 48 more; of American parentage, 21 less; of foreign parentage, 75 more.

The whole number of deaths in the twenty-six years, 1855-1880, inclusive, was 35,570; the average annual death-rate for that period was one in 50.78 of the population. In 1880 the death rate was one in 50.41 of the population, or 19.83 in each 1,000. In the different classes of the population the rate was as follows:—

	Population, 1880.	Deaths, 1880.	To population one death in	Deaths to each 100 of population
Whole number.....	104,857.....	2,080.....	50.41.....	19.83
Males.....	49,787.....	995.....	50.04.....	19.9
Females.....	55,070.....	1,085.....	50.76.....	19.7
White.....	101,211.....	1,984.....	51.01.....	19.6
Colored.....	3,646.....	96.....	37.98.....	26.3
Born in United States.....	76,885	1,581.....	48.63.....	20.5
Born in foreign countries.....	27,972.....	499.....	56.05..	17.8
American parentage.....	49,282.....	920.....	53.57....	18.7
Foreign parentage.....	55,575.....	1,160.....	47.91.....	21.1

In the above statistics the population of each class is given from the official figures of the United States Census of 1880, except the population by parentage, which is obtained by assuming that the percentages of American and foreign, by parentage, are the same as in the State Census of 1875; namely, 47 per cent. of American parentage, and 53 per cent. of foreign parentage.

The following are the general statistics relating to the 2,080 deaths of the year 1880:—

DEATHS: GENERAL FACTS.

31

TABLE XII. DEATHS, 1880.

Sex, condition, color, nativity, parentage, locality, season.

Season. The year 1880, like the two preceding, is an exception to the rule that has been found to prevail very generally in the distribution of mortality in the different seasons of the year. The largest number of deaths is generally in the third quarter of the year, and the smallest number in the second quarter. But in 1880 the largest number was in the first quarter; and the smallest in the fourth; the second quarter, also, had more deaths than the third; so that the third quarter was third in rank, which has only happened twice before: namely, in 1858, and in 1879.

The number of deaths in each quarter of 1880, and of each of the five years preceding, is given below; also the quarterly aggregate and average numbers for the twenty-five years, 1855-1879, inclusive:—

	1880.	1879.	1878.	1877.	1876.	1875.	25 years, 1855-1879. Aggregate.	Average.
January-March.....	560....	514....	541....	411....	383....	488....	8,033.....	321
April-June.....	533....	439....	423....	440....	419....	401....	7,348.....	294
July-September.....	525....	493....	520....	557....	573....	531....	9,846.....	394
October-December..	462....	580....	505....	530....	490....	495....	8,263.....	331
Whole year.....	2,080....	2,026....	1,989....	1,938....	1,865....	1,915	33,490	1,340

The number and percentage of deaths in each quarter of the year 1880, and for the period of twenty-five years, 1855-1879, were as follows:—

	1880.		25 years, 1855-1879.	
	Deaths.	Per cent.	Deaths.	Per cent.
January-March.....	560.....	26.92.....	8,033.....	23.9
April-June.....	533.....	25.63.....	7,348..	21.9
July-September.....	525.....	25.24.....	9,846.....	29.0
October-December.....	462.....	22.21.....	8,263.....	24.6
Totals.....	2,080.....	100.00...	33,490.....	100.00

The number and percentage are given below for each quarter of each of the twenty-six years, 1855-1879, inclusive:—

DEATHS: SEASON AND PERCENTAGE.

33

	January-March.		April-June.		July-Sept.		Oct.-Dec.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1855.....	213.....	21.49.....	202.....	20.99.....	239.....	24.21.....	231.....	23.21.....
1856.....	203.....	21.92.....	244.....	22.91.....	296.....	27.90.....	217.....	20.87.....
1857.....	214.....	22.14.....	173.....	18.70.....	298.....	29.92.....	292.....	27.20.....
1858.....	279.....	27.43.....	278.....	27.24.....	257.....	25.27.....	203.....	19.96.....
1859.....	213.....	23.09.....	205.....	22.30.....	270.....	29.04.....	211.....	23.47.....
1860.....	243.....	24.27.....	209.....	20.83.....	297.....	29.67.....	252.....	25.18.....
1861.....	240.....	22.84.....	236.....	22.45.....	236.....	21.97.....	239.....	22.74.....
1862.....	197.....	21.53.....	192.....	21.01.....	271.....	29.03.....	254.....	27.79.....
1863.....	287.....	23.64.....	243.....	20.43.....	370.....	31.14.....	301.....	24.79.....
1864.....	303.....	23.58.....	273.....	21.31.....	403.....	31.46.....	303.....	23.06.....
1865.....	299.....	24.09.....	240.....	19.82.....	372.....	29.72.....	300.....	24.77.....
1866.....	238.....	22.97.....	218.....	21.04.....	338.....	32.63.....	242.....	22.36.....
1867.....	258.....	26.08.....	202.....	21.04.....	286.....	29.79.....	214.....	22.29.....
1868.....	231.....	20.81.....	244.....	21.98.....	346.....	31.17.....	230.....	26.04.....
1869.....	331.....	24.35.....	250.....	19.90.....	363.....	22.91.....	312.....	24.64.....
1870.....	331.....	26.20.....	271.....	21.46.....	371.....	29.37.....	290.....	22.97.....
1871.....	311.....	24.80.....	263.....	20.98.....	385.....	30.70.....	296.....	23.52.....
1872.....	330.....	20.59.....	264.....	22.71.....	518.....	32.31.....	391.....	24.39.....
1873.....	427.....	24.84.....	407.....	23.08.....	504.....	29.32.....	361.....	22.16.....
1874.....	444.....	22.35.....	501.....	25.21.....	558.....	27.98.....	486.....	24.46.....
1875.....	488.....	25.48.....	401.....	20.94.....	531.....	27.73.....	495.....	26.06.....
1876.....	383.....	20.54.....	419.....	22.47.....	573.....	30.72.....	490.....	26.97.....
1877.....	411.....	21.21.....	440.....	22.70.....	567.....	28.74.....	530.....	27.35.....
1878.....	541.....	27.20.....	423.....	21.27.....	520.....	28.14.....	605.....	26.39.....
1879.....	514.....	25.37.....	439.....	21.67.....	493.....	24.83.....	580.....	28.03.....
1880.....	560.....	26.92.....	533.....	25.03.....	525.....	25.24.....	462.....	22.21.....

The number of deaths in the first quarter of 1880 is larger than in any previous year at that season; the percentage, though larger than in 1879, is less than in 1878, 1858 and 1856. In the second quarter of 1880 the number of deaths is larger than in any other year, and the percentage larger than in any year but 1858. In the third quarter the number and percentage are both larger than in 1879; but the percentage is smaller than any year in the record except 1879. In the fourth quarter the number is less than in any year since 1873; and the percentage less than in any year since 1874. The reason for so large a percentage in the first quarter of 1880 was the large number of deaths from scarlatina at that season. A severe epidemic of this disease prevailed throughout the year 1879, and especially in the latter part of the year, making the percentage of the fourth quarter of that year exceptionally large; the number of deaths from this

cause in 1879 was 252, of which 63.89 per cent. were in the last quarter of the year. The disease continued to prevail through the first five months of 1880, and 47.33 per cent. of the whole number of deaths caused by it, were in the first quarter of the year; after May it declined very rapidly and ceased to be epidemic. Nearly one-third of the deaths from Pneumonia were in the first quarter of the year.

Sex and Parentage. The following are the statistics of the 2,080 deaths, as to sex and parentage:—

American parentage.....	442 males	478 females.....	total, 920
Foreign parentage.....	533 males.....	607 females.....	total, 1,140
<hr/>			
Totals.....	985 males.....	1,085 females.....	total, 2,080

The number of females was 90 more than the number of males; of American parentage, 36 more; of foreign parentage, 54 more. The number of foreign parentage was 240 more than that of American parentage; of males, 111 more; of females, 129 more. During the twenty-six years, 1855–1880, inclusive, the decedents of both classes of parentage were divided as to sex, as follows:—

1855–1880.....	males, 17,422.....	females, 18,148.....	total, 35,570
----------------	--------------------	----------------------	---------------

Condition. The number of married persons who died in 1880 was 599; 4 more than in 1879; 285 of American, and 314 of foreign parentage. The number of single persons who died during the year was 1,190, or 24 more than the previous year; 472 were of American, and 718 of foreign parentage. The number of decedents who were widows was 188; 10 more than in 1879; 103 of American, and 85 of foreign parentage. The number of widowers who died was 99; 13 more than in 1879; 56 of American, and 43 of foreign parentage. There were 4 divorced persons among the decedents in 1880, which was 3 more than in 1879; they were all of American parentage.

Color. There were 1,984 white decedents in 1880; 70 more than in 1879; and 96 colored decedents, or 16 less than in the preceding year. There were 2,536 white children born in 1880; the proportion of births to deaths in this class was, therefore, 100 to 78.23.

The number of colored children born during the year was 91 ; the proportion of births to deaths, 100 to 105.5. In the twenty-six years, 1855–1880, inclusive, the number of colored children born was 1,938 ; the number of deaths among colored people in the same time was 2,049 ; a proportion of births to deaths of 100 to 105.7.

Nativity and Parentage. The figures of Table XII. show how important it is in giving the statistics of mortality to register the decedents by parentage, as well as by nativity. A large number of decedents who were born in the United States were children of foreign parents, and therefore under the same conditions as to locality and habits of living ; they belong more properly in the foreign than in the American class. The number of decedents of American *nativity* was 1,581, or 76.01 per cent. of all, the number of American *parentage* was 920, or only 44.23 per cent. of all. The number of American nativity was 6 more than in 1879 ; the percentage 1.73 less : the number of American parentage was 21 less than in 1879 ; the percentage 2.22 less.

Of decedents of foreign *birth* the number in 1880 was 499, or 23.99 per cent. of all ; this was 48 more than in 1879, and 1.73 per cent. more. Of those of foreign *parentage* the number was 1,160, or 55.77 per cent. of all ; the number was 75 more and the percentage 2.22 per cent. more than in the year before.

The nativity of the 13 decedents born in “ other countries ” than those specified in the table was as follows : 2 each were born in Norway, Sweden and France, and 1 each in Italy, Spain, Switzerland, Holland, Austria, Poland and Liberia.

Of the 28 of “ other foreign ” parentage there were 7 of Italian, 6 of French, and 5 of Swedish parentage ; 2 each Norwegian and Polish ; 3 Swiss ; and one each Dutch, Austrian and African.

Locality. Table XII. gives the number of deaths in each ward of the city and in Public Institutions for each month and for the whole year. The number of deaths in the first ward in 1880 was 26 less than in 1879 ; in the second ward, 3 less ; in the third, 11 less ; in the fourth, 26 less ; in the fifth, 47 less ; in the sixth, 8 less ; in the seventh, 7 more ; in the eighth, 50 more ; in the ninth, 11 less ; in the tenth, 130 more ; in Public Institutions, 1 less. The seventh, eighth and tenth wards, collectively, showed an increase of 187 over the previous year ; the other wards a loss of 133. It will be seen

that nearly all the increase was in the eighth and tenth wards. This was owing to the large number of deaths from scarlatina in those wards ; in the tenth ward there were 94 deaths from this cause, which was 38.68 per cent. of the whole number of deaths from scarlatina; in the eighth ward 38 deaths, or 15.64 per cent. of all. This fact will be more fully commented upon in the consideration of scarlatina among the causes of death.

The number of decedents in each ward, according to parentage, was as follows :—

Wards.	American.	Foreign.	Wards.	American.	Foreign.
I.....	96.....	157	VII.....	96.....	11
II.....	53.....	12	VIII.....	131.....	17
III.....	68.....	115	IX.....	155.....	11
IV.....	44.....	46	X.....	96.....	39
V.....	65.....	97	Public Institutions	39.....	1
VI.....	77.....	21		—	—
Whole city.....				920.....	1,100

The number of deaths in the different Public Institutions, is given below, for 1880 ; and for each of the two years preceding :—

	1880.	1879.	1878.
Rhode Island Hospital.....	40	34	2
Butler Hospital.....	8	12	2
Dexter Asylum	13	16	9
Home for Aged Men	1	1	0
Home for Aged Women.....	7	5	1
Children's Home.....	0	4	0
Children's Hospital and Nursery.....	6	7	9
R. C. Orphan Asylum.....	3	0	1
R. C. Convent.....	1	0	0
Reform School.....	0	0	1
Central Police Station.....	1	0	0
Total.....	80	79	11

Aggregate and Average Age. Table XIII. gives the number of deaths and the aggregate and average age of the decedents, according to parentage, for each month, and for the whole year 1880 :—

TABLE XIII. DEATHS, 1880.

Aggregate and Average Age and Parentage.

MONTHS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January.....	78	2,228	28.46	123	3,091	25.13	201	5,329	26.81
February.....	84	2,571	30.61	92	2,513	27.30	176	5,083	28.88
March.....	83	3,264	39.33	100	2,425	24.25	183	5,689	31.09
April.....	78	3,011	38.61	113	2,995	26.50	191	6,006	31.44
May.....	94	3,263	34.60	95	2,245	23.63	189	5,508	29.25
June.....	74	2,618	35.38	79	2,228	28.09	153	4,916	32.13
July.....	92	2,536	27.46	116	2,226	19.27	208	4,772	23.94
August.....	69	2,214	32.09	105	2,478	23.60	174	4,692	26.97
September.....	59	1,451	24.59	84	2,054	24.45	143	3,505	24.51
October.....	67	2,963	44.01	86	2,632	30.49	153	5,575	36.44
November.....	60	2,309	38.48	86	1,911	22.22	146	4,220	28.90
December.....	82	3,267	39.84	81	2,862	35.33	163	6,129	37.60
Whole Year.....	920	31,775	34.54	1,160	29,729	25.63	2,080	61,504	29.57

The average age of all decedents in 1880 was 29.57 years; 0.77 years more than in 1879. Of American decedents the average age in 1880 was 34.54 years; 2.77 years more than in 1879; of foreign decedents the average age was 25.63 years, which was 0.59 years less than in the preceding year.

Comparing the year 1880 with the year before, there are the following differences in the average age of the decedents in the different months. Among the decedents of American parentage the average age in 1880 is greater than in 1879 in the months of March, April, June, August, October, November, and December; and less in 1880 in the months of January, February, May, July and September. Among the decedents of foreign parentage the average age in 1880 was greater than in 1879, in the months of March, October, November and December; and less in the other eight months of the year.

Table XIV. is a recapitulation of the same statistics for the period of twenty-five years, 1856-1880, inclusive:—

TABLE XIV. DEATHS, TWENTY-FIVE YEARS, 1856-1880.

Recapitulation. Aggregate and Average Age by Parentage.

TWENTY-FIVE YEARS, 1856-1880.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January.....	1,525	52,017	34.11	1,382	34,904	25.26	2,907	86,921	29.74
February.....	1,384	46,696	33.74	1,305	29,798	22.83	2,689	76,494	28.43
March.....	1,448	50,909	35.16	1,336	33,016	24.71	2,784	83,925	30.14
April.....	1,404	47,919	34.13	1,394	36,871	26.45	2,798	84,790	30.31
May.....	1,333	48,553	36.42	1,254	32,080	25.58	2,587	80,633	31.18
June.....	1,107	38,055	34.38	1,181	29,441	24.93	2,288	67,496	29.48
July.....	1,539	39,926	25.94	1,837	34,074	18.55	3,376	74,000	21.91
August.....	1,647	45,530	27.64	1,931	36,105	18.70	3,578	81,635	22.82
September.....	1,457	42,540	29.20	1,621	31,911	19.68	3,078	74,451	24.16
October.....	1,327	44,139	33.20	1,481	34,171	23.07	2,808	78,310	27.87
November.....	1,357	45,115	33.25	1,422	35,251	24.79	2,779	80,366	29.01
December.....	1,489	52,969	35.57	1,418	36,895	26.02	2,907	89,864	30.92
Total.....	17,017	554,368	32.58	17,562	404,517	23.03	34,579	958,885	27.73

These two tables show very decided differences between the average of the two classes of decedents. In the table for the year 1 (Table XIII.) the highest average age of decedents of American parentage is 44.01 years, in October; the lowest, 24.59, in September. Of those of foreign parentage, the highest average age is 35.57 years, in December; the lowest, 19.27 years, in July. The greatest difference between the two classes was in November, when the average age of American decedents was 16.26 years more than that of foreign class; the least difference was in September, when the excess in favor of the American decedents was only 0.14 of one year.

In the statistics for a period of twenty-five years, as given in Table XIV., we find differences of the same nature. The highest average age of American decedents was 36.42 years, in May; of foreign decedents, 26.45 years, in April; the greatest average age of Americans is nearly 10 years above that of the foreign class.

lowest average age of American decedents was 25.94 years, in July ; of foreign decedents, 18.55 years, in the same month ; the lowest average age of the foreign is 7.39 years less than that of the American decedents. The average age of Americans was less in 1880 than in the long period of time, in the months of January, February, May and September ; and more in the other eight months of the year. Of foreign decedents, the average age was less in 1880 than in the longer period, in the months of January, March, May and November ; and greater in the remaining eight months. For the year the average age of American decedents in 1880 was 1.96 years above the average of the period of years ; that of foreign decedents was 2.60 years less.

The following table shows the difference between the two classes in each month, both for the single year 1880 and for the twenty-five years, 1856-1880, inclusive. In every instance the average age of American decedents was greater than that of the foreign class :—

Difference in years between the Average Age of American and Foreign Decedents.

MONTHS.	1880.			25 years, 1856-1880.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January.....	29.46	25.13	4.33	34.11	25.26	8.85
February.....	30.61	27.30	3.31	33.74	22.83	10.91
March.....	39.32	24.25	15.07	35.16	24.71	10.45
April.....	38.61	26.50	12.11	34.13	26.45	7.68
May.....	34.89	23.63	11.26	36.42	25.58	10.84
June.....	35.38	29.09	6.29	34.38	24.93	9.45
July.....	27.46	19.27	8.19	25.94	18.55	7.39
August.....	32.09	23.60	8.49	27.64	18.70	8.94
September. ...	24.59	24.45	0.14	29.20	19.68	9.52
October.....	44.01	30.49	13.52	33.26	23.07	10.19
November.....	38.48	22.22	16.26	33.25	24.79	8.46
December	39.84	35.33	4.51	35.57	26.02	9.55
Whole year....	34.54	25.63	8.91	32.58	23.03	9.55

It has generally appeared from this table that the difference between the two classes is greater in the long period of years than in a single year. But in this instance there are six months where there is more difference between them in 1880 than in the twenty-five years, namely: March, April, May, July, October and November; and six months where it is the reverse of this.

The largest number of deaths in one month in 1880 (Table XIII.) among those of American parentage was 94 in May; the least number, 59 in September. Of the foreign decedents the largest monthly total was 123 in January; the smallest, 79, in June. In the twenty-five years, 1856-1880, (Table XIV.), the largest monthly aggregate was in August for both classes; of American decedents, 1,647; of foreign, 1,931; the smallest monthly aggregate for both classes was in June, American, 1,107; foreign, 1,181. The percentages of all the deaths in the different quarters of the year, according to parentage, for the period of twenty-five years, 1856-1880, were as follows:—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American parentage.....	25.60.....	22.59.....	27.29.....	24.52
Foreign parentage.....	23.91.....	21.80.....	30.69.....	23.60

Table XV. gives the number of decedents and the aggregate and average age, according to parentage, in each of the twenty-five years, 1856-1880, inclusive, and for the whole period:—

DEATHS: AGGREGATE AND AVERAGE AGE.

41

TABLE XV. DEATHS, 1856-1880.

Recapitulation. Aggregate and Average Age by Parentage.

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.
1856.....	511	14,554	28.90	524	8,258	15.75	1,035	22,812	21.49
1857.....	523	16,314	31.19	402	8,007	19.91	925	24,321	26.29
1858.....	512	15,910	31.07	505	8,478	16.78	1,017	24,388	23.98
1859.....	479	14,983	31.30	420	8,640	20.57	899	23,633	26.28
1860.....	512	16,660	32.51	480	9,751	19.94	1,001	26,411	26.38
1861.....	538	16,327	20.34	513	9,605	18.72	1,051	25,932	24.67
1862.....	460	14,589	31.71	454	10,994	24.21	914	25,583	28.00
1863.....	597	19,398	32.49	617	13,757	22.29	1,214	33,155	27.31
1864.....	649	21,732	33.48	632	11,865	17.98	1,281	33,097	25.83
1865.....	631	19,622	31.10	580	11,991	20.67	1,211	31,619	26.11
1866.....	518	18,906	36.85	523	12,762	24.40	1,036	31,668	30.57
1867.....	529	19,258	36.47	432	12,149	28.12	960	31,407	32.72
1868.....	596	21,779	36.54	514	12,539	24.39	1,110	34,318	30.92
1869.....	627	20,490	32.68	629	14,776	23.49	1,256	35,266	28.08
1870.....	642	21,078	32.83	621	14,393	23.18	1,263	35,471	28.08
1871.....	643	22,725	35.34	611	17,005	27.83	1,254	39,730	31.68
1872.....	832	27,572	33.11	771	19,160	24.86	1,603	46,732	29.15
1873.....	862	28,675	33.27	857	19,061	22.24	1,719	47,736	27.77
1874.....	885	27,588	31.17	1,102	24,802	22.51	1,987	52,390	26.37
1875.....	914	30,419	33.28	1,001	24,802	24.28	1,915	54,721	28.57
1876.....	875	29,025	33.17	990	23,969	24.20	1,865	52,994	28.41
1877.....	908	28,353	31.22	1,030	25,410	24.67	1,938	53,763	27.74
1878.....	889	28,724	30.06	1,100	25,178	22.89	1,989	51,902	26.09
1879.....	941	29,896	31.77	1,085	28,446	26.22	2,026	58,342	28.80
1880.....	920	31,775	34.51	1,160	29,729	25.63	2,080	61,504	29.57
25 years' totals.....	17,017	551,368	32.58	17,562	404,517	23.03	34,579	958,885	27.78

The greatest difference between the average age of the two of decedents was 15.50 years in 1864; the least difference years in 1879. The difference between them in the whole period 9.55 years.

Number and percentage of decedents at different ages. Table gives the number and percentage, according to parentage, decedents at different periods of life in 1880; and the same facts decedents in the twenty-five years, 1856-1880, inclusive:—

TABLE XVI. DEATHS, 1880.

Percentages, at Different Ages, according to Parentage.

From Table XIII. we found that the average age of all A decedents in 1880 was a little more than in 1879; from Tab

we see that though the percentage of American decedents under five years of age in 1880 was slightly more than in the preceding year, yet the percentages of deaths among the aged were also very much larger than in 1879; thus of decedents between 70 and 80 years old, the number in 1879 was 83, and the percentage 8.82; in 1880 the number was 119, and the percentage 12.93; also of persons over 90, the number and percentage in 1880 were more than double those of 1879; this, of course, raised the average age above that of the previous year. Of decedents of foreign parentage, the number under 5 years of age in 1880 was larger than in 1879, but the percentage 1.03 less; but among the aged decedents of this class the number and percentage were considerably less in 1880 than in 1879; of those living beyond the age of 60 years the percentage in 1880 was 1.55 less than in the preceding year; so that the average age of all was reduced, as was shown by Table XIII.

The following statement gives the percentage, according to parentage, of the decedents under 5 years old, in each of the twenty-five years, 1856-1880, inclusive:—

	American. Under five years.	Foreign. Under five years.	Total American & Foreign. Under five years.
1856.....	.37.15 per cent.....	.54.95 per cent .....	.45.91 per cent.
• 1857 ...	.32.31 per cent.....	.51.74 per cent.....	.40.75 per cent.
1858.....	.35.35 per cent.....	.55.44 per cent .....	.45.33 per cent.
1859.....	.28.60 per cent.....	.48.34 per cent.....	.37.82 per cent.
1860.....	.32.81 per cent.....	.48.87 per cent.....	.40.66 per cent.
1861.....	.35.87 per cent.....	.52.63 per cent.....	.44.05 per cent.
1862.....	.31.08 per cent.....	.42.07 per cent.....	.36.54 per cent.
1863. ....	.28.47 per cent. ....	.46.81 per cent.....	.37.81 per cent.
1864.....	.28.81 per cent.....	.51.11 per cent.....	.39.82 per cent.
1865.....	.29.95 per cent.....	.46.37 per cent.....	.37.82 per cent.
1866.....	.23.78 per cent.....	.40.53 per cent.....	.32.24 per cent..
1867.....	.24.05 per cent.....	.36.35 per cent.....	.29.59 per cent.
1868.....	.27.35 per cent.....	.43.19 per cent.....	.34.69 per cent.
1869.....	.30.78 per cent.....	.43.24 per cent.....	.37.02 per cent.
1870.....	.31.00 per cent.....	.42.67 per cent.....	.36.72 per cent.
1871.....	.28.62 per cent.....	.36.01 per cent .....	.32.22 per cent.
1872.....	.30.89 per cent.....	.40.00 per cent.....	.35.27 per cent.
1873. ....	.30.39 per cent.....	.43.05 per cent.....	.36.71 per cent.
1874.....	.34.02 per cent.....	.43.55 per cent.....	.39.31 per cent.
1875.....	.32.06 per cent.....	.40.96 per cent.....	.36.66 per cent.
1876.....	.34.29 per cent.....	.43.13 per cent... ..	.38.98 per cent.
1877.....	.32.93 per cent.....	.41.26 per cent.....	.37.36 per cent.
1878.....	.36.78 per cent.....	.42.64 per cent.....	.40.02 per cent.
1879.....	.32.94 per cent.....	.37.24 per cent.....	.35.25 per cent.
1880.....	.33.80 per cent.....	.36.21 per cent.....	.35.15 per cent.

During the forty-one years, 1840-1880, inclusive, there were 47,724 decedents in Providence, of whom 18,742 were less than five years old; the number and percentage in each division of age under 5 years were as follows:—

Whole number of decedents.....		47,724
Under one year	9,214 or 19.31 per cent. of all.	
One, and under two years.....	4,829 or 10.10 per cent. of all.	
Two, and under five years.....	4,704 or 9.86 per cent. of all.	
Total, under five years.....		18,742 or 39.27 per cent. of all.

Table XVII. shows the number and percentage of decedents, in the different divisions of age, according to parentage, in the aggregate for the twenty-five years, 1856-1880, inclusive:—

TABLE XVII. DEATHS, 1856-1880.

Number and Percentage at Different Ages, according to Parentage.

AGES.	American Parentage, 25 years, 1856-1880.		Foreign Parentage, 25 years, 1856-1880.		American & Foreign Parentage, 25 years, 1856-1880.	
	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.
Under 1 year.....	2,953	17.85	3,756	21.39	6,709	19.40
1 and under 2.....	1,118	6.57	1,919	10.93	3,037	8.78
2 and under 5.....	1,315	7.73	1,946	11.08	3,261	9.43
Total under 5.....	5,386	31.65	7,621	43.40	13,007	37.61
5 and under 10.....	887	5.21	925	5.27	1,812	5.24
10 and under 15.....	377	2.21	336	1.91	713	2.06
15 and under 20.....	584	3.43	555	3.16	1,139	3.29
20 and under 30.....	1,565	9.20	1,914	10.90	3,479	10.06
30 and under 40.....	1,474	8.66	1,645	9.37	3,119	9.03
40 and under 50.....	1,292	7.59	1,334	7.59	2,626	7.60
50 and under 60.....	1,371	8.06	1,110	6.32	2,481	7.18
60 and under 70.....	1,468	8.63	986	5.61	2,454	7.10
70 and under 80.....	1,560	9.17	757	4.31	2,317	6.70
80 and under 90.....	893	5.25	298	1.67	1,191	3.43
90 and over.....	160	.94	86	.49	246	.71
Totals.....	17,017	100.00	17,563	100.00	34,579	100.00

These Tables, XVI. and XVII., show that the percentage of children under five years of age is much greater among the decedents of foreign than of American parentage. In the year 1880 (see Table XVI.) the percentage of this class among foreign decedents was 2.41 more than among American decedents; in the long period of time the difference was much greater; the percentage of foreign was 11.75 more than that of American decedents. This corresponds with the fact proved from Tables XIII. and XIV., that the average age of foreign decedents is much less than that of American decedents. In the 25 years, 1856–1880, the average age of decedents of American parentage was 32.58 years, while that of the other class was only 23.03 years. The number of American decedents during this period of years, who lived beyond fifty years of age, was 5,452, which was 32.05 per cent. of all American decedents in that time; the number of foreign decedents in the same period, who lived to be more than fifty years old, was 3,232, or 18.40 per cent. of all the foreign decedents.

In comparing Tables XVI. and XVII. we see that the percentage of children of American parentage under five years old was more in 1880 than in the long period of time; but of decedents over sixty years of age the percentage was 5.79 more in the single year than in the term of years, which caused the average age of American decedents in 1880 to be greater than during the long number of years; as was shown to be the case in Tables XIII. and XIV. From those tables also we saw that the average age of decedents of foreign parentage was higher in 1880 than for the long period of years; this agrees with the facts found from Tables XVI. and XVII., that the percentage of children in this class under five years old in 1880 was much less than the average for the twenty-five years, and the percentage of decedents over sixty years old much larger.

Deaths by age and parentage in each month and quarter of the year. Table XVIII., on page 47, shows the comparative mortality of the two classes of decedents in different seasons, and at the various ages, by giving the number of deaths at each age, and of all ages, according to parentage, in each month and quarter of the year. The whole number of deaths in the year was 2,080; of American parentage, 920; of foreign parentage, 1,160; divided as follows in the different seasons:—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American Parentage	26.63.....	26.74.....	23.91.....	21.73
Foreign Parentage.....	27.16...	21.74.....	26.29.....	21.21

Of the decedents of American parentage the largest percentage was in the second quarter of the year,—a very unusual occurrence; the first quarter is next in order; and the third quarter is third in order. Of the deaths in this class 53.37 per cent. were in the first half of the year. Of decedents of foreign parentage the largest percentage was in the first quarter of the year; the next in the third quarter; 51.90 per cent. of the deaths were in the first half of the year.

Of children under one year old, the deaths in 1880 were as follows: American parentage 175, or 35 more than in 1879; 77 of these deaths, or 44 per cent., were in the third quarter of the year; the whole number of deaths, of all ages, in the third quarter was 220, of which 77, or 35 per cent., were children less than a year old.

Of foreign parentage the decedents of this class numbered 206, which was 30 more than in 1879; 85 of these children, or 41.26 per cent., died in the third quarter of the year; these 85 deaths were 27.87 per cent. of the whole number of deaths in that quarter.

Causes of death; sex, age, parentage and percentage from known causes. Table XIX. gives these particulars for each of the 2,080 deaths during the year.

Season and Disease. Table XX. gives the number of deaths from each cause in each month and quarter of the year, showing the comparative prevalence and mortality of different diseases in the different seasons.

TABLE XVIII. *Deaths by Age and Parentage in each Month and Quarter, 1880.*

DIVISIONS OF THE YEAR.		DIVISIONAL PERIODS OF LIFE.														ALL AGES.
		Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
AMERICAN PARENTAGE.	January.....	11	4	15	7	....	1	7	6	5	4	3	12	3	....	78
	February.....	12	2	8	6	1	1	9	10	4	7	7	7	3	1	84
	March.....	7	6	10	5	....	2	4	7	8	4	7	14	8	1	83
	1st quarter.....	30	12	33	18	1	4	20	23	17	15	17	33	14	2	245
	April.....	11	4	5	7	1	1	5	6	5	4	10	13	5	1	78
	May.....	18	5	6	5	3	....	9	8	6	6	10	11	5	2	94
	June.....	16	4	6	4	1	1	5	5	6	3	8	8	4	4	74
	2d quarter.....	45	13	17	16	5	2	19	19	16	13	28	32	14	7	246
	July.....	23	8	5	3	....	....	4	4	2	7	7	12	5	....	92
	August.....	18	7	4	3	2	....	2	5	4	2	10	6	6	....	69
	September.....	24	3	5	....	1	1	3	4	2	5	5	3	3	....	59
	3d quarter.....	77	18	14	6	3	1	9	13	8	14	23	21	14	....	220
	October.....	6	5	2	4	2	1	1	8	5	7	6	12	6	2	67
	November.....	7	2	3	1	3	....	6	12	5	4	6	10	1	....	60
	December.....	10	6	5	2	....	1	10	7	6	7	5	11	11	....	82
	4th quarter.....	23	13	10	8	5	2	17	27	16	18	17	33	18	2	209
	Whole year.....	175	62	74	48	14	9	65	82	57	60	84	119	60	11	920
FOREIGN PARENTAGE.	January.....	14	11	16	20	4	3	9	9	9	9	11	4	3	1	123
	February.....	10	7	9	11	2	5	12	4	13	7	5	3	3	1	92
	March.....	17	6	15	5	....	8	13	10	6	14	6	4	....	1	100
	1st quarter.....	41	24	40	36	6	11	34	23	28	30	22	11	6	3	315
	April.....	17	2	16	8	6	6	18	6	7	8	10	7	1	1	113
	May.....	17	8	12	11	1	4	9	7	8	5	5	4	3	1	93
	June.....	15	5	9	5	....	1	12	3	6	8	4	8	1	2	79
	2d quarter.....	49	15	37	24	7	11	39	16	21	21	19	19	5	4	287
	July.....	44	15	5	5	3	2	11	8	6	1	7	4	3	2	116
	August.....	28	12	9	4	2	3	10	4	5	10	8	2	4	....	105
	September.....	13	6	7	2	4	6	14	12	8	7	2	2	1	....	84
	3d quarter.....	85	33	21	11	9	11	35	23	19	18	17	8	8	2	305
	October.....	9	5	9	9	1	3	10	9	10	9	7	4	1	1	86
	November.....	14	3	10	7	3	5	11	5	8	5	6	3	....	....	86
	December.....	8	5	7	1	1	2	13	6	13	5	9	10	1	....	81
	4th quarter.....	31	13	31	17	5	10	34	20	31	19	22	17	2	1	253
	Whole year.....	206	85	129	88	27	43	142	87	99	68	80	55	21	10	1,160
Total Amer. & For..		381	147	203	136	41	52	207	169	155	148	104	174	81	21	2,080

TABLE XIX. DEATHS, 1880. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.														PARENTAGE.		Ratio of deaths from each cause to whole num. not from known causes.	
			Total.	Under 1 year.	1 and under 2	2 and under 5.	5 and under 10	10 and under 15	15 and under 20	20 and under 30	30 and under 40	40 and under 50	50 and under 60	60 and under 70	70 and under 80	80 and over.	American.	Foreign.		Total.
	Males.	Females.																		
Accidents (various).....	11	7	18	3	1	1	1	1	1	2	1	1	1	1	1	1	4	13	18	.27
" Asphyxia.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	.10
" Burns and Scalds.....	6	6	11	1	1	3	1	2	1	3	1	1	1	1	1	1	1	10	11	.13
" Drowning.....	12	3	15	1	1	1	1	1	1	2	2	2	2	1	1	1	6	2	12	.13
" Falls.....	7	2	9	1	1	2	1	1	1	1	1	1	1	1	1	1	4	2	9	.44
" Poisoning.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
" Railroad.....	9	1	10	1	1	1	1	1	1	2	4	1	1	1	1	1	3	6	9	.44
Abscesses.....	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	.15
Anæmia.....	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.10
Aneurism.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.10
Apoplexy.....	21	27	48	1	1	1	1	1	1	1	3	5	8	16	10	5	32	16	48	.33
Asthma.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
Atelectasis Pulmonum.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
Bladder, Diseases of.....	6	6	12	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	6	.20
Bones, Diseases of.....	2	2	4	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	.10
Brain, Congestion of.....	2	6	8	2	2	1	2	1	1	1	1	1	1	1	1	1	6	2	8	.44
" Diseases of	11	11	22	4	3	1	1	1	1	2	3	3	1	1	3	1	11	11	22	1.05

TABLE XIX.—CONTINUED. DEATHS, 1880. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.														PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.			
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 and under 3.	3 and under 4.	5 and under 5.	6 and under 6.	7 and under 7.	8 and under 8.	9 and under 9.	10 and under 10.	15 and under 15.	20 and under 20.	25 and under 25.	30 and under 30.	40 and under 40.	50 and under 50.	60 and under 60.		70 and under 70.	80 and under 80.	90 and over.
				1 and under 1.	2 and under 2.	3 and under 3.	4 and under 4.	5 and under 5.	6 and under 6.	7 and under 7.	8 and under 8.	9 and under 9.	10 and under 10.	15 and under 15.	20 and under 20.	25 and under 25.	30 and under 30.	40 and under 40.	50 and under 50.	60 and under 60.		70 and under 70.	80 and under 80.	90 and over.
Brain, Inflammation of.....	28	21	49	16	13	10	5	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Bronchitis....	29	27	56	21	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Cancer (various).....	24	18	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ of Breast.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ of Stomach....	1	7	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ of Uterus.....	.....	16	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Catarrh.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Childbirth.....	.....	10	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ Puerperal Convul.....	.....	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ Puerperal Fever.....	.....	11	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ Abortion.....	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cholera Infantum.....	42	58	100	75	23	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
“ Morbus.....	1	3	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Colic.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Consumption.....	154	168	322	4	4	4	4	1	8	22	117	65	46	16	29	5	1	.....	.....	.....	.....	.....	.....	.....
Convulsions.....	24	25	49	34	8	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Croup.....	8	21	29	3	4	14	7	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE XIX.—CONTINUED. DEATHS, 1880. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.												PARENTAGE.			Ratio of deaths from each cause to whole num. per from known causes.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.		Foreign.	Total.
				10	1	1	1	1	1	1	1	1	1	1	1	1	1				
Debility.....	7	6	13	10	1	1	1	1	1	1	1	1	1	1	1	1	1	5	8	13	.63
“ Premature Birth.....	6	8	14	14	1	1	1	1	1	1	1	1	1	1	1	1	1	5	9	14	.68
Diabetes.....	1	5	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	5	1	6	.29
Diarrhoea.....	12	16	28	20	3	1	1	1	1	1	1	1	1	1	1	2	1	9	19	28	1.35
“ Chronic.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.10
Diphtheria.....	32	29	61	3	9	23	20	2	1	2	1	1	1	1	1	1	1	35	26	61	2.95
Dropsy.....	5	1	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	6	.29
Dysentery.....	4	8	12	2	2	2	2	1	1	1	1	1	1	2	1	2	1	6	6	12	.68
Embolism.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
Enteritis.....	9	10	19	4	2	4	4	2	1	2	2	2	1	2	1	1	1	7	12	19	.93
Epilepsy.....	1	3	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	4	.19
Erysipelas.....	5	4	9	1	1	1	1	1	1	2	2	2	1	1	1	1	1	6	3	9	.44
Exposure and Neglect.....	4	3	7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	7	.34
Fever, Malarial.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.05
“ Typhoid.....	24	28	52	1	1	1	1	1	1	1	1	1	1	1	1	1	1	24	28	52	2.52
Gall Bladder, Disease of.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.10
Gangrene, Senile.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	.10

TABLE XIX.—CONTINUED. DEATHS, 1880. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.													PARENTAGE.			Ratio of deaths from each cause to whole number of known causes.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.	Foreign.		Total.	
Hæmatocele.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.05
Heart, Diseases of.....	51	45	96	.....	.....	.....	.....	1	1	3	11	10	15	16	26	12	1	.....	55	41	96	4.65
“ Hypertrophy of.....	4	4	8	1	.....	.....	.....	.....	1	.....	1	.....	.....	1	2	2	.....	.....	4	4	8	.39
Heat.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.05
Hemorrhage.....	4	3	7	6	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	4	3	7	.34
“ from Lungs.....	5	6	11	.....	.....	1	.....	.....	.....	.....	3	.....	5	2	.....	.....	.....	.....	6	5	11	.53
Hernia.....	3	2	5	1	1	.....	.....	.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	2	3	5	.24
Hip Joint, Disease of.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	1	.05
Hooping-Cough.....	6	5	11	8	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	7	11	.53
Hydrocephalus.....	14	15	29	11	11	5	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12	17	29	1.41	
Hydrothorax.....	2	.....	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	2	.....	.....	2	.10
Insanity.....	2	6	8	.....	.....	.....	.....	.....	1	.....	.....	1	2	3	1	.....	.....	5	3	8	.39	
Intemperance.....	4	5	9	.....	.....	.....	.....	.....	.....	.....	3	4	2	.....	.....	.....	.....	2	7	9	.44	
Intussusception... ..	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.05
Kidneys, Diseases of.....	4	8	12	.....	.....	.....	1	1	.....	.....	1	.....	3	3	2	1	.....	6	6	12	.58	
“ Addison's Disease of.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.05
“ Bright's Disease of.....	17	16	33	.....	.....	1	.....	.....	.....	3	4	5	9	8	1	1	1	16	17	33	1.59	

TABLE XIX.—CONTINUED. DEATHS, 1880. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.													PERCENTAGE.			Ratio of deaths from each cause to whole number from known causes.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 and under 3.	3 and under 5.	5 and under 10.	10 and under 15.	15 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	90 and over.	American.		Foreign.	Total.
Knee Joint, Disease of.....	2	.....	2	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	1	1	2	.10
Laryngitis.....	1	2	3	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	2	.15
Leucocythæmia.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	1	.05
Liver, Diseases of.....	10	10	20	1	1	.....	.....	.....	.....	.....	.....	1	6	4	5	2	.....	.....	10	10	20	.06
“ Inflammation of.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	1	1	2	.10
Locomotor Ataxia...	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	.....	3	.....	3	.15
Lungs, Diseases of.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	1	.05
Malformations.....	6	5	11	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	3	11	.53
Marasmus	19	16	35	23	2	.....	.....	.....	.....	.....	.....	.....	1	1	1	1	.....	.....	18	17	35	1.60
Measles.....	.....	3	3	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	.15
Meningitis, Cerebro-Spinal.....	2	2	4	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	3	4	.19
Metritis.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.05
Murder.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	1	.05
Old Age.....	31	42	73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	27	31	14	36	37	73	3.53
Paralysis.....	17	13	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	7	14	2	1	21	9	30	1.45
Peritonitis.....	5	9	14	.....	.....	.....	.....	.....	1	1	2	2	1	2	2	.....	.....	.....	6	8	14	.68
Pleurisy.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	1	1	2	.10

causes.	to which due
8.34	
1.11	
.05	
.15	
.88	
11.77	
.05	
.05	
.05	
.15	
.05	
.10	
.39	
.10	
.10	
.24	
.10	

CAUSES OF DEATH.

Pneumonia.....
" Congestion of Lung
Prostatic Disease of.....
Purpura, Hemorrhagic.....
Rheumatism.....
Scarlatina.....
Scrophula.....
Septicemia.....
Skin, Diseases of.....
Spine, Diseases of.....
Spleen, Disease of.....
Stomach, Diseases of... ..
" Inflammation of.....
Strioids.....
Surgical Operation.....
Syphilis.....
Tubes Mesenterica.....

TABLE XIX.—CONTINUED. DEATHS, 1880. *Disease, sex, age, parentage, and percentage from known causes.*

1880

1880

1880

TABLE XX. DEATHS, 1880. Season and Disease.

CAUSES OF DEATH.	SEASON AND DISEASE.																Whole Year.
	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.	October.	November.	December.	Fourth Quarter.	
Accidents (all kinds).....	9	5	5	19	4	5	6	15	8	4	6	13	7	6	5	18	65
Apoplexy.....	4	2	2	8	6	7	2	15	4	1	1	6	8	4	7	19	48
Brain, Diseases of.....	11	4	4	19	4	12	4	20	10	6	6	22	8	4	7	19	80
Bronchitis.....	2	6	8	16	9	6	4	19	1	3	4	8	3	1	9	13	56
Cancer (all kinds).....	7	2	4	13	5	7	9	21	2	13	2	17	6	5	6	17	68
Childbirth.....	4	4	3	11	1	2	3	6	1	.....	2	3	.....	2	4	6	26
Cholera Infantum.....	.....	.....	.....	.....	.....	2	5	7	49	23	11	88	3	1	1	5	100
Cholera Morbus.....	.....	.....	.....	.....	.....	.....	.....	.....	8	1	.....	4	.....	.....	.....	.....	4
Consumption.....	28	27	33	88	27	19	18	64	23	25	29	82	24	30	34	88	322
Convulsions.....	3	3	3	9	7	2	8	17	3	4	3	10	3	4	6	13	49
Croup.....	5	.....	3	8	1	.....	.....	1	.....	.....	3	3	2	11	4	17	29
Diarrhoea.....	.....	.....	2	2	1	.....	1	2	14	5	5	24	2	.....	.....	2	30
Diphtheria.....	7	6	4	17	6	4	3	13	6	5	5	16	5	5	5	15	61
Dysentery.....	.....	.....	.....	.....	2	1	2	5	2	1	1	4	3	.....	.....	3	12
Enteritis.....	4	3	.....	7	.....	2	1	3	2	5	.....	7	.....	2	.....	2	19
Erysipelas.....	1	2	1	4	2	.....	1	3	1	.....	.....	1	.....	.....	1	1	9
Fever, Typhoid.....	2	1	3	6	4	9	4	17	1	2	8	11	11	6	2	19	53
Heart, Diseases of.....	11	11	11	33	6	10	10	28	5	5	6	16	7	14	8	29	104
Hooping Cough.....	.....	.....	.....	.....	.....	2	.....	2	3	1	.....	4	.....	3	2	5	11

TABLE XX.—CONTINUED. DEATHS, 1880. *Season and Disease.*

DISEASE.	Males.	Females.	Total.
Dysentery.	1,074	1,074	2,148
Typhoid fever.	1,074	1,074	2,148
Typhus.	1,074	1,074	2,148
Scarlet fever.	1,074	1,074	2,148
Erysipelas.	1,074	1,074	2,148
Smallpox.	1,074	1,074	2,148
Measles.	1,074	1,074	2,148
Whooping-cough.	1,074	1,074	2,148
Diphtheria.	1,074	1,074	2,148
Croup.	1,074	1,074	2,148
Pertussis.	1,074	1,074	2,148
Tuberculosis.	1,074	1,074	2,148
Consumption.	1,074	1,074	2,148
Pneumonia.	1,074	1,074	2,148
Bronchitis.	1,074	1,074	2,148
Hæmoptoe.	1,074	1,074	2,148
Hæmiplegia.	1,074	1,074	2,148
Paralysis.	1,074	1,074	2,148
Epilepsy.	1,074	1,074	2,148
Hysteria.	1,074	1,074	2,148
Mania.	1,074	1,074	2,148
Melancholia.	1,074	1,074	2,148
Dementia.	1,074	1,074	2,148
Alcoholism.	1,074	1,074	2,148
Drug-addiction.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Murder.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	2,148
Suicide.	1,074	1,074	2,148
Accidents.	1,074	1,074	2,148
Falls.	1,074	1,074	2,148
Burns.	1,074	1,074	2,148
Frost-bites.	1,074	1,074	2,148
Poisoning.	1,074	1,074	2,148
Homicide.	1,074	1,074	

NOTES ON THE CAUSES OF DEATH,

DURING THE YEAR 1880.

In the following notes information is given about the various causes of death, which could not be presented in the tables on the preceding pages, and comparisons are made with the statistics of previous years.

The percentage of deaths from the different causes is always reckoned on the number of deaths from *known* causes.

The number of deaths in Providence in 1880 was 2,080; in 17 cases, or 0.82 per cent. of all, the cause of death was not stated; this was 8 more deaths, and 0.38 per cent. more than in 1879.

The number of deaths from known causes, therefore, in 1880, was 2,063; and on this number all the percentages are reckoned. During the twenty-five years, 1856–1880, the total number of deaths was 34,579; of which 550, or 1.59 per cent., were from unknown causes; 34,029 from known causes. In the forty-one years, 1840–1880, inclusive, the number of deaths recorded in Providence was 47,724; 46,172 from known causes; and 1,552, or 3.25 per cent., the causes of which were not specified.

Table XX. shows to what degree different diseases prevail in different seasons of the year. It is expected to find an excess of diarrhoeal diseases in the third quarter of the year, and the figures show that of the 165 deaths during the year from this class of diseases 127, or 77 per cent., occurred during the three months of July, August, and September. On the other hand diseases of the respiratory system prevail less at this season and much more extensively in the colder months; thus of 249 deaths from pneumonia and bronchitis, only 22, or about .09 per cent., were in the third quarter.

The number of deaths from diphtheria was much less than for some years past; but it prevailed to some extent throughout the year, the number of deaths being very evenly distributed in the different

seasons. Scarlatina prevailed most severely in the early part of the year; 47.33 per cent. of the deaths from this cause being in the first quarter.

Abscesses. The number of deaths caused by abscesses in 1880 was three, which was 0.15 per cent. of all deaths from known causes; the number was two less, and the per cent. 0.10 less than in 1879. One was a "lumbar abscess," and one of the parotid gland; one was not specified. Other abscesses are reckoned under the head of disease of the organ affected. Of these three decedents, 1 was a male, and 2 were females; 1 of American, and 2 of foreign parentage. The statistics for the 25 years, 1856-1880, inclusive, are as follows:—

Number of deaths from all known causes, 34,029.

From abscesses: males, 49; females, 45; total, 94; or, 0.28 per cent of all.
American parentage, 42; foreign parentage, 52.

Accidents. The number of deaths resulting from accidents, in 1880, was larger than in any previous year, though there have been a few years when the percentage was greater. The number was 65, which was 9 more than in 1879, and the percentage was 0.37 more; the percentage was larger than in any year since 1873. In Table XIX., 2 of these deaths are recorded as caused by asphyxia; 11, by burns or scalds; 15, by drowning; 9, by falls; 1, by poisoning; 9, by railroad accidents, and 18 are included under the heading of "various." Of the latter, one was "run over by a low gear;" one was "hit in the face by a sky-rocket;" one had the "skull fractured by falling brick;" two were "thrown from a wagon;" three had a "leg broken;" two had an "arm broken;" one had "ribs broken;" one "spine dislocated;" and three died from "injury at birth."

The numbers of each sex and parentage were as follows:—

Males, 47; females, 18; total 65, or 3.15 per cent. of all.

American parentage, 19; foreign parentage, 46.

The numbers of each sex and parentage for the twenty-five years, 1856-1880, are:—

Males, 739; females, 247; total, 986, or 2.90 per cent. of all.

American parentage, 382; foreign parentage, 604.

Aneurism. There were two deaths from this cause in 1880, or 0.10 per cent. of all from known causes. The decedents were 1 male, and 1 female; 1 of American, and 1 of foreign parentage. The statistics of this cause of death for the twenty-five years, 1856–1880, are :—

Males, 22; females, 4; total, 26, or 0.08 per cent. of all.

American parentage, 9; foreign parentage, 17.

Apoplexy. The number of deaths caused by apoplexy in 1880, was 48, which was 2.32 per cent. of all. The number was 8 less, and the per cent. 0.46 less than in the previous year.

Males, 21; females, 27; total, 48, or 2.32 per cent. of all.

American parentage, 32; foreign parentage, 16.

The statistics for twenty-five years, 1856–1880, are :—

Males, 354; females, 370; total, 724, or 2.13 per cent. of all.

American parentage, 506; foreign parentage, 218.

Further particulars on this subject are given under the head of “Paralysis.”

Brain, Diseases of. The number of deaths, reported under this head in 1880, was 80; of these, 9 were specified as “congestion,” and 49 as “inflammation.” The number of deaths was 4 more than in 1879, and the per cent. 0.10 more. The statistics of sex and parentage are :—

Males, 42; females, 38; total, 80, or 3.87 per cent. of all.

American parentage, 38; foreign parentage, 42.

For the twenty-five years, 1856–1880, the statistics are as follows :—

Males, 715; females, 605; total, 1,320, or 3.88 per cent. of all.

American parentage, 692; foreign parentage, 628.

It will be seen that there is very little difference between the number of decedents of American and of foreign parentage, both in the single year 1880, and in the period of twenty-five years, for which the statistics are given. But from apoplexy, a disease which also affects chiefly the brain, the number of American decedents is considerably more than twice that of the foreign class.

Bronchitis. This was reported as the cause of 56 deaths in 1880, or 2.71 per cent. of all. It is a disease which affects chiefly the very young and the very old; 21 of the decedents, or 37.5 per cent. of all, were less than one year old; and 15, or 26.8 per cent., were more than 70 years old. The number of deaths was 22 more than in 1879, and the per cent. 1.03 more. The statistics as to sex and parentage are as follows:—

Males, 29; females, 27; total, 56, or 2.71 per cent. of all.
American parentage, 22; foreign parentage, 34.

For the twenty-five years, 1856–1880, the statistics are:—

Males, 201; females, 258; total, 459, or 1.35 per cent. of all.
American parentage, 204; foreign parentage, 255.

Cancers. The number of deaths from cancers was larger than ever before in a single year, and the per cent. more than in any year except 1877. The number in 1880, was 68, or 3.30 per cent. of all from known causes; it was 2 more, and 0.03 per cent. more than in 1879. In Table XIX. 2 are specified as cancer of the breast; 8, as cancer of the stomach; and 16, as cancer of the uterus; the 42 which were included under the term “various,” were located as follows: liver, 14; rectum, 3; ovaries, 2; mesentery, 2; kidneys, 2; intestines, perinæum, omentum, bowels and bladder, one each; tongue, 2; neck, pharynx, lip and throat, lung and sub-maxillary gland, one each; one epithelial, one abdominal, and one bone cancer; of four the location was not specified.

The following statistics of sex and parentage are given:

Males, 25; females, 43; total, 68, or 3.30 per cent. of all.
American parentage, 39; foreign parentage, 29.

For the twenty-five years, 1856–1880, the statistics are:—

Males, 225; females, 604; total, 829, or 2.44 per cent. of all.
American parentage, 525; foreign parentage, 304.

Of the 829 decedents, 72.9 per cent. were females; and 63.3 per cent. were of American parentage.

Child-birth. There were 26 deaths from child-birth in 1880, including 3 from puerperal convulsions; 11, from puerperal fever; and 2 from abortion; the 26 deaths were 1.26 per cent. of all deaths from known causes, and just 1.00 per cent. of the 2,600 mothers bearing children in 1880. The number of deaths was 6 more than in 1879, and the per cent., 0.26 more. The decedents were 11 of American, and 15 of foreign parentage. In the twenty-five years, 1856-1880, the deaths from this cause have been 405; 172 of American, and 233 of foreign parentage. This was 1.19 per cent. of all deaths during that period, and 0.84 per cent. of the 48,442 mothers bearing children in the same time.

Cholera Infantum. There were 100 deaths in 1880 from this cause, a much larger number than for the two years previous. The percentage of all from known causes was 4.84, which was 1.92 more than in 1879. The statistics are as follows:—

Males, 42; females, 58; total 100, or 4.84 per cent. of all.

American parentage, 41; foreign parentage, 59.

The following are the statistics of sex and parentage for each of the twenty-five years, 1856-1880, and for the whole period:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	35.....	22.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	26.....	24.....	50.....	5.56
1858.....	27.....	22.....	18.....	36.....	49.....	4.92
1859.....	14.....	19.....	13.....	20.....	33.....	3.80
1860.....	35.....	33.....	26.....	42.....	68.....	7.09
1861.....	29.....	32.....	25.....	36.....	61.....	6.02
1862.....	25.....	19.....	17.....	27.....	44.....	4.98
1863.....	36.....	30.....	19.....	47.....	66.....	5.56
1864.....	29.....	29.....	18.....	40.....	58.....	4.63
1865.....	20.....	30.....	13.....	37.....	50.....	4.21
1866.....	30.....	17.....	15.....	32.....	47.....	4.64
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	38.....	32.....	22.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.24
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.00
1872.....	72.....	79.....	58.....	98.....	151.....	9.56
1873.....	42.....	50.....	39.....	53.....	92.....	5.41
1874.....	72.....	62.....	44.....	90.....	134.....	6.83
1875.....	62.....	74.....	50.....	86.....	136.....	7.18
1876.....	66.....	56.....	43.....	79.....	122.....	6.59
1877.....	70.....	52.....	43.....	79.....	122.....	6.31
1878.....	35.....	35.....	26.....	44.....	70.....	3.55
1879.....	30.....	29.....	28.....	31.....	59.....	2.92
1880.....	42.....	58.....	41.....	59.....	100.....	4.84
25 years.....	973.....	935.....	708.....	1,200.....	1,908.....	5.61

Cholera Morbus. The number of deaths reported from this cause each year is very small ; in 1880, it was 4 ; 1 male, and 3 females ; 2 of American, and 2 of foreign parentage ; total 4, or 0.19 per cent. of all from known causes. In the twenty-five years, 1856–1880, the number of deaths from this cause was 116, or 0.34 per cent. of all.

Consumption. There were 322 deaths from consumption during the year 1880, which was 15.60 per cent. of the whole number of deaths from known causes ; in 1879, the number of deaths from this cause was 293, and the per cent. 14.52. The particulars of sex and parentage in 1880, were as follows :—

American parentage.....	males, 56.....	females, 55.....	Total, 111
Foreign parentage.....	males, 98.....	females, 113.....	Total, 211
<hr/>			
Total.....	males, 154.....	females, 168.....	Total, 322

The statistics for the twenty-five years, 1856–1880, are :—

Whole number of deaths from known causes, 34,029 ; deaths from consumption, 5,690, or 16.72 per cent. of all. Annual average, 228.			
American parentage.....	males, 1,170.....	females, 1,505.....	Total, 2,675
Foreign parentage.....	males, 1,421.....	females, 1,594.....	Total, 3,015
<hr/>			
Total.....	males, 2,591.....	females, 3,099.....	Total, 5,690
Males, 45.54 per cent.....females, 54.46 per cent.			
American parentage, 47.01 per cent....foreign parentage, 52.99 per cent.			

The population of Providence by the United States census of June, 1880, was 104,857 ; the death-rate from consumption for the year was, therefore, one in 326 of the inhabitants, or 3.07 in each thousand persons. The average annual rate for the fifteen years, 1840–1854, was one in 209.9 ; and for the twenty-six years, 1855–1880, it was one in 306.1.

By periods of five years from 1840 to 1879 inclusive, and for the whole period of forty years, the whole number of deaths from known causes in Providence, and the number and percentage from consumption, were as follows :—

	Number of deaths from known causes.	Number from Consumption.	Percentage of deaths from Consumption.
1840-1844.....	2,824.....	745.....	26.38
1845-1849.....	3,898.....	761.....	19.55
1850-1854.....	4,465.....	958.....	21.46
1855-1859.....	4,753.....	930.....	19.57
1860-1864.....	5,298.....	997.....	18.82
1865-1869.....	5,474.....	1,009.....	18.43
1870-1874.....	7,784.....	1,174.....	15.18
1875-1879.....	9,668.....	1,475.....	15.26
1840-1879, 40 years.....	44,109.....	8,049.....	18.25

The number and percentage of deaths in each of the last ten years have been :—

	Number.	Per cent.
1871.....	194.....	15.66
1872.....	241.....	15.26
1873.....	231.....	13.57
1874.....	270.....	13.76
1875.....	299.....	15.79
1876.....	284.....	15.34
1877.....	294.....	15.22
1878.....	305.....	15.46
1879.....	293.....	14.52
1880.....	322.....	15.60

The number and percentage of the decedents from consumption in each division of age, were as follows for the year 1880, and for the period of 25 years, 1856 to 1880 inclusive :—

PERIODS.	Under 1 year.	1 and under 2.	2 and under 5.	6 and under 10.	10 and under 15.	16 and under 20.	20 and under 30.	30 and under 40.	40 and under 50.	50 and under 60.	60 and under 70.	70 and under 80.	80 and under 90.	TOTAL.
1880. Number.....	4	4	4	1	8	22	117	65	46	16	29	5	1	322
Per cent.....	1.24	1.24	1.24	.31	2.48	6.83	36.34	20.19	14.29	4.97	9.01	1.55	.31	100.00
1856-1880. Number.....	68	67	61	58	117	512	1,769	1,200	794	517	375	159	13	5,690
Per cent.....	1.19	1.18	1.07	1.02	2.06	9.00	31.09	21.09	13.95	9.06	6.59	2.44	.23	100.00

The largest proportion of the decedents are between twenty and fifty years old; 70.82 per cent. of all, in 1880, being within those ages; 50.32 per cent. lived beyond the age of thirty. The average age of all decedents in 1880, was 29.57 years. Of the 5,690 decedents from consumption in the twenty-five years, 1856-1880, 66.13 per cent. were between twenty and fifty years of age; 53.39 per cent. lived beyond the age of thirty. The average age of all decedents during this period was 27.73 years.

Convulsions. There were 49 deaths from convulsions in 1880, which was 10 less than in the previous year; 34 of the decedents were less than a year old.

Males, 24; females, 25; total, 49, or 2.37 per cent. of all.

American parentage, 23; foreign parentage, 26.

For the twenty-five years, 1856-1880, the statistics are:—

Males, 495; females, 402; total, 897, or 2.64 per cent. of all.

American parentage, 371; foreign parentage, 526.

Croup. There were 29 deaths from croup in 1880, which was 14 less than in 1879, and less than in any year since 1874, when the number was the same as in 1880. Of the 29 deaths, 17, or 58.62 per cent., were in the fourth quarter of the year; 3 of the decedents were under one year old; 4 were between 1 and 2; 14, between 2 and 5 years; 7, between 5 and 10; and one between 10 and 15. The statistics of sex and parentage were as follows:

Males, 8; females, 21; total, 29, or 1.41 per cent. of all.

American parentage, 7; foreign parentage, 22.

For the twenty-five years, 1856-1880, the numbers are:—

Whole number of deaths, 768; annual average, 31.

Males, 384; females, 384: total, 768, or 2.26 per cent. of all.

American parentage, 314; foreign parentage, 454.

The following table shows the number of deaths from croup for each of the twenty-six years, 1855-1880 inclusive; also the percentage each year, of the whole number from known causes; and the particulars as to sex, age, parentage, season, locality and color:—

Debility. The number of deaths reported from this cause in 1880 was 27, including 14 from premature birth; in 1879, the number was 33, including 10 from premature birth. The particulars for the year 1880 are as follows:—

Males 13; females, 14; total, 27, or 1.31 per cent. of all.
American parentage, 10; foreign parentage, 17.

For the twenty-five years, 1856–1880:—

Whole number of deaths, 600; annual average, 24.
Males, 314; females, 286; total, 600, or 1.76 per cent. of all.
American parentage, 248; foreign parentage, 352.

Diarrhœa and Dysentery. There were 42 deaths from these causes in 1880, or 2 more than in 1879, and 2.03 per cent. of all deaths from known causes. The statistics for each disease are as follows:—

	Males.	Females.	American.	Foreign.	Total.	Percentage.
Acute Diarrhœa.....	12.....	16.....	9.....	19.....	28.....	15
Chronic Diarrhœa.....	1.....	1.....	2.....	—.....	2.....	2
Dysentery.....	4.....	8.....	6.....	6.....	12.....	8
Total.....	17.....	25.....	17.....	25.....	42.....	18

The deaths from other diseases of the same class, may properly be given in connection with these; the statistics are as follows:—

	Males.	Females.	American.	Foreign.	Total.	Percentage.
Cholera Infantum.....	42.....	58.....	41.....	59.....	100.....	15
Cholera Morbus.....	1.....	3.....	2.....	2.....	4.....	2
Enteritis.....	9.....	10.....	7.....	12.....	19.....	8
Total	52.....	71.....	50.....	73.....	123.....	15

The total number of deaths from these five diseases, for the year 1880, was as follows:

Males, 69; females, 96; total, 165, or 7.98 per cent. of all.
American parentage, 67; foreign parentage, 98.

The number of deaths is 45 more than in 1879, and the per cent., 1.99 more; the number of males, 8 more; of females, 37 more; of American parentage, 15 more; of foreign parentage, 30 more.

The statistics of the five diseases, for the twenty-five years, 1856–1880, are:—

Number of deaths, 3,780; annual average, 151.

Males, 1880; females, 1,900; total, 3,780, or 11.11 per cent. of all.

American parentage, 1,535; foreign parentage, 2,245.

Of decedents from these diseases in 1880, the proportions between the two classes of parentage were as follows: 146.3 decedents of foreign parentage to each 100 of American parentage, or 59.39 of foreign, and 40.61 of American parentage in each 100 decedents. Of decedents from *all* causes in 1880, the proportions were 126.1 of foreign to each 100 of American parentage, or 55.77 foreign, and 44.23 American in each 100.

Though the excess of foreign decedents from *diarrhæal* diseases is much greater than when *all* causes are compared, yet the number of deaths is not so disproportionate, when we consider the number of children living of each class, and that most of the decedents from these causes are very young children. Thus in 1880, 78.79 per cent. of the decedents from diarrhæal diseases were children less than two years old; of the 2,627 children born during the same year, 52.33 per cent. were of foreign, and 47.67 per cent. of American parentage; 109.8 children of foreign to each 100 of American parentage. In 1879, the proportions of children born were 51.31 per cent. of foreign, and 48.69 of American parentage, or 105 foreign to 100 American.

The following table shows the number of deaths from each of these causes, with the number from the whole class of causes, and their percentage of all from known causes, reported in Providence during the period from 1840 to 1854 inclusive; during each year, from 1855 to 1880 inclusive, and in the aggregate during the whole period of 41 years, 1840 to 1880 inclusive:—

	Cholera	Cholera				All	Per cent
	Infantum.	Morbus.	Diarrhœa.	Dysentery.	Enteritis.	Combined.	of all from known causes
1840-1854.....	560.....	63.....	349.....	796.....	102.....	1,870.....	16.77
1855.....	61.....	4.....	37.....	38.....	—.....	140.....	14.57
1856.....	57.....	5.....	29.....	35.....	6.....	132.....	11.17
1857.....	50.....	2.....	38.....	29.....	5.....	124.....	12.40
1858.....	49.....	2.....	27.....	12.....	8.....	98.....	9.63
1859.....	33.....	1.....	28.....	13.....	4.....	79.....	8.73
1860.....	68.....	2.....	21.....	18.....	9.....	118.....	11.73
1861.....	61.....	5.....	22.....	32.....	6.....	126.....	11.90
1862.....	44.....	1.....	31.....	22.....	9.....	107.....	11.70
1863.....	66.....	5.....	35.....	77.....	9.....	192.....	15.51
1864.....	58.....	4.....	45.....	40.....	13.....	160.....	12.40
1865.....	50.....	7.....	34.....	62.....	4.....	157.....	12.96
1866.....	47.....	17.....	28.....	44.....	9.....	145.....	12.90
1867.....	49.....	2.....	15.....	43.....	10.....	119.....	12.30
1868.....	70.....	3.....	24.....	15.....	8.....	120.....	10.81
1869.....	65.....	6.....	24.....	23.....	6.....	124.....	9.57
1870.....	93.....	3.....	22.....	16.....	15.....	149.....	11.92
1871.....	62.....	6.....	24.....	16.....	18.....	126.....	10.15
1872.....	151.....	10.....	52.....	35.....	14.....	262.....	16.33
1873.....	92.....	4.....	37.....	7.....	25.....	165.....	9.00
1874.....	134.....	3.....	50.....	17.....	25.....	229.....	11.67
1875.....	136.....	6.....	36.....	14.....	31.....	223.....	11.71
1876.....	122.....	4.....	40.....	22.....	18.....	206.....	11.13
1877.....	122.....	6.....	34.....	21.....	21.....	204.....	10.56
1878.....	70.....	3.....	28.....	11.....	18.....	130.....	6.50
1879.....	59.....	5.....	31.....	9.....	16.....	120.....	5.95
1880.....	100.....	4.....	30.....	12.....	19.....	165.....	7.95
41 yrs., total..	2,529.....	183.....	1,171.....	1,479.....	428.....	5,790.....	12.54

Deaths from Asiatic cholera are not included in these statistics; they have been as follows: in 1849, 158; in 1854, 159; in 1866. 14; total, 331.

Diphtheria. The epidemic of this disease, which had prevailed to such an alarming extent in Providence during the four years, 1876-1879 inclusive, diminished very decidedly in 1880, though some deaths occurred in each month, yet the whole number during the year was only 61, which was 46 less than in the previous year, and the percentage was 2.35 less. The deaths were distributed through the year with remarkable equality, as follows:

1st quarter.....	17	3d quarter.....	16
2d quarter.....	13	4th quarter.....	15

As usual, the decedents were mostly young children ; 55, or 90.16 per cent., were less than ten years old.

The statistics of sex and parentage were as follows :—

Males, 32 ; females, 29 ; total, 61, or 2.95 per cent. of all.

American parentage, 35 ; foreign parentage, 26.

During the four years' epidemic of diphtheria, the decedents of foreign parentage were greatly in excess of those of American parentage, the proportion being 56.39 of foreign, and 43.61 of American parentage in each 100 ; previous to the epidemic the reverse of this was true, the figures being 58.68 of American, and 41.32 of foreign parentage in each 100 decedents. In 1880, the American class is again in excess ; 57.38 per cent. of American, and 42.62 of foreign parentage in each 100 decedents.

The first cases of diphtheria in Providence were reported in 1858 ; for the twenty-three years, 1858–1880, the statistics are as follows :—

Deaths from known causes in 23 years, 32,101.

From diphtheria, 1,154 ; annual average, 50.

Males, 575 ; females, 579 ; total, 1,154, or 3.59 per cent. of all.

American parentage, 562 ; foreign parentage, 592.

In the following table are given the statistics as to sex, parentage, season and locality, for each of the twenty-three years, 1858–1880, and for the whole period :—

DEATHS FROM DIPHTHERIA IN PROVIDENCE, TWENTY-THREE YEARS, 1858-1880.

TH

The connection of season with the mortality from diphtheria is a subject which has received considerable attention in these reports, since the disease has prevailed so extensively in our city ; and facts of importance and interest are shown by the study, particularly when compared with similar statistics in regard to scarlatina and croup.

The following table shows the number and the percentage of deaths in Providence, from diphtheria, scarlatina, and croup, in each month and quarter of the year. The figures for scarlatina and croup include the aggregate mortality from these diseases during the twenty-six years, from 1855 to 1880 inclusive. The figures for diphtheria are for twenty-three years, from 1858 to 1880 inclusive.

MONTHS.	DIPHTHERIA. 1858-1880.		SCARLATINA. 1855-1880.		CROUP. 1855-1880.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	108	9.36	257	12.57	106	13.32
February.....	77	6.67	220	10.76	89	11.18
March.....	90	7.80	188	9.20	89	11.18
1st quarter.....	275	23.83	665	32.53	284	35.68
April	78	6.76	183	8.95	65	8.16
May.....	72	6.24	186	9.10	42	5.28
June.....	70	6.06	160	7.83	27	3.39
2d quarter.....	220	19.06	529	25.88	134	16.83
July.....	47	4.07	109	5.33	27	3.39
August.....	49	4.25	87	4.23	11	1.38
September.....	98	8.49	95	4.65	43	5.41
3d quarter.....	194	16.81	291	14.24	81	10.18
October.....	175	15.16	136	6.65	75	9.42
November.....	163	14.13	180	8.81	110	13.82
December.....	127	11.01	213	11.89	112	14.07
4th quarter.....	465	40.30	559	27.35	297	37.31
Totals.....	1,154	100.00	2,044	100 00	796	100.00

Dividing the year into periods of four months, the numbers and proportions are as follows :—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	353	30.56	848	41.48	349	43.81
2d 4 months.....	238	20.62	512	26.52	107	13.44
3d 4 months.....	563	48.79	654	32.00	340	42.73

Dividing the year into two periods, the numbers and proportions are :—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 6 months.....	495	42.89	1,194	58.41	418	52.51
2d 6 months.....	659	57.11	850	41.59	378	47.49

These figures show that, while the percentage of deaths from each disease is smallest in the second four months of the year, there are decided differences as to the prevalence of the three in the first third and last third of the year.

In *Diphtheria*, the percentage of the last four months is much larger than that of the first four; while in *Croup*, which is frequently compared with *Diphtheria*, notwithstanding the marked difference between the two, the percentages of the first and the last third of the year are nearly equal; that of the first third being slightly greater. When the year is divided into two equal periods, the difference in the prevalence of these two diseases is still more marked; the percentage of *Diphtheria* in the second six months being much greater than in the first half of the year; and the percentages of *Croup* being quite the reverse.

With regard to *Scarlatina*, the percentage of the first third of the year is considerably larger than that of the last third; and the per-

centage of the first six months much greater than that of the second six.

In the whole period the smallest percentage of mortality in any month was as follows for each disease: diphtheria, 4.07 in July; scarlatina, 4.26, and croup, 1.38, both in August. The largest monthly percentage of each was: diphtheria, 15.16 in October; scarlatina, 12.57 in January; and croup, 14.07 in December.

Dropsy. This was assigned as the cause of 6 deaths in 1880; 5 males, and 1 female; 3 of American, and 3 of foreign parentage; total, 6, or 0.29 per cent. of all.

Erysipelas. The number of deaths reported from this cause in 1880 was 9, which was one less than in 1879.

Males, 5; females, 4; total, 9; or 0.44 per cent. of all.

American parentage, 6; foreign parentage, 3.

For the twenty-five years, 1856 to 1880, the statistics are:—

Males, 87; females, 92; total, 179; or 0.53 per cent. of all.

American parentage, 105; foreign parentage, 74.

Exposure and Neglect. The number of deaths ascribed to exposure or neglect in 1880, was 7, which was as many as in the two years previous combined. Three of the decedents were less than a year old; two were between 1 and 2 years of age; one, between 40 and 50; and one between 70 and 80.

Males, 4; females, 3; total, 7; or 0.34 per cent. of all.

American parentage, 3; foreign parentage, 4.

Fever, Typhoid. There were 52 deaths from this cause in 1880, which was 12 more than in 1879, and 0.54 per cent. more. There was also one death reported from malarial fever, which is included in the following figures:—

Males, 25; females, 28; total, 53; or 2.57 per cent. of all.

American parentage, 24; foreign parentage, 29.

In the following statistics for the twenty-five years, 1856-1880, besides the deaths from typhoid, are a few that have been reported from "fever," and "bilious fever," and about 30 from typhus fever:—

Whole number, 1,075; annual average, 48.

Males, 552; females, 523; total, 1,075, or 3.16 per cent. of all.

American parentage, 594; foreign parentage, 481.

Heart, Diseases of. The number of deaths from diseases of the heart in 1880, was 104, including 8 from "hypertrophy." Among other affections of the heart, the following were specified on the returns: "pericarditis," "endocarditis," "angina pectoris," "atrophy," "paralysis," "dilatation," and "fatty degeneration" of the heart. The number of deaths was 7 less than in 1879, and the per cent. 0.47 less.

Males, 55; females, 49; total, 104, or 5.04 per cent. of all.

American parentage, 59; foreign parentage, 45.

In the twenty-five years, 1856-1880, the number of deaths from heart disease was 1,582, or 4.65 per cent. of all; annual average, 63.

The particulars for each year are given in the following table:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	8.....	13.....	16.....	5.....	21.....	.24
1857.....	13.....	18.....	22.....	9.....	31.....	.36
1858.....	13.....	23.....	23.....	8.....	36.....	.42
1859.....	13.....	11.....	17.....	7.....	24.....	.29
1860.....	15.....	16.....	21.....	10.....	31.....	.37
1861.....	23.....	18.....	29.....	12.....	41.....	.49
1862.....	26.....	23.....	33.....	16.....	49.....	.59
1863.....	23.....	19.....	30.....	13.....	43.....	.52
1864.....	26.....	32.....	44.....	14.....	58.....	.70
1865.....	18.....	29.....	33.....	14.....	47.....	.57
1866.....	19.....	21.....	27.....	13.....	40.....	.49
1867.....	26.....	23.....	35.....	14.....	49.....	.59
1868.....	25.....	27.....	34.....	18.....	52.....	.64
1869.....	33.....	29.....	35.....	27.....	62.....	.76
1870.....	28.....	31.....	33.....	26.....	59.....	.72
1871.....	40.....	37.....	46.....	31.....	77.....	.94
1872.....	43.....	49.....	63.....	29.....	92.....	.11
1873.....	46.....	54.....	59.....	41.....	100.....	.12
1874.....	46.....	58.....	62.....	42.....	104.....	.13
1875.....	48.....	45.....	47.....	41.....	88.....	.11
1876.....	41.....	47.....	51.....	37.....	88.....	.11
1877.....	47.....	46.....	53.....	40.....	93.....	.11
1878.....	39.....	44.....	45.....	38.....	83.....	.10
1879.....	57.....	54.....	63.....	48.....	111.....	.14
1880.....	55.....	49.....	59.....	45.....	104.....	.13
25 years' total.....	766.....	816.....	965.....	597.....	1,582.....	.46

Hemorrhage. There were 18 deaths reported from this cause in 1880, or 0.87 per cent. of all. This was 8 more than in 1879, and 0.37 per cent. more.

Males, 9; females, 9; total, 18, or 0.87 per cent. of all.

American parentage, 10; foreign parentage, 8.

In the table, 11 are specified as hemorrhage from the lungs; the others were, 2 from the bowels, 1 uterine, and 4 umbilical hemorrhage.

Hernia was reported as the cause of 5 deaths in 1880, the same number as in each of the two years previous.

Males, 3; females, 2; total, 5, or 0.24 per cent. of all.

American parentage, 2; foreign parentage, 3.

Hooping Cough. There were 11 deaths from this cause during the year; 4 less than in 1879. Eight of the decedents were less than a year old; and 3, between 2 and 5 years.

Males, 6; females, 5; total, 11, or 0.53 per cent. of all.

American parentage, 4; foreign parentage, 7.

For the twenty-five years, 1856-1880, the statistics are :—

Whole number, 397; annual average, 16.

Males, 170; females, 227; total, 397, or 1.17 per cent. of all.

American parentage, 165; foreign parentage, 232.

Hydrocephalus. This was stated as the cause of 29 deaths in 1880, or 6 less than in 1879; all the decedents were less than ten years old, and 22 of them were less than 2 years old. The particulars are as follows :—

Males, 14; females, 15; total, 29, or 1.41 per cent. of all.

American parentage, 12; foreign parentage, 17.

For the twenty-five years, 1856-1880 :—

Whole number, 762; annual average, 30.

Males, 414; females, 348; total, 762, or 2.24 per cent. of all.

American parentage, 382; foreign parentage, 380.

Insanity. There were eight deaths from insanity during the year 1880, which was 4 less than in 1879.

Males, 2; females, 6; total, 8, or 0.89 per cent. of all.

American parentage, 5; foreign parentage, 3.

The statistics for the twenty-five years, 1856–1880, are:—

Whole number, 256; annual average, 10.

Males, 122; females, 134; total, 256, or 0.75 per cent. of all.

American parentage, 182; foreign parentage, 74.

Of the 256 decedents, 71.09 per cent. were of American parentage. Most of these deaths occur at Butler Hospital for the insane, which is within the city limits, but where the patients are from many different places. Of the 8 deaths in 1880, only 1 occurred outside of the Hospital.

Intemperance was the cause of 9 deaths in 1880, or 2 more than in the previous year.

Males, 4; females, 5; total, 9, or 0.44 per cent. of all.

American parentage, 2; foreign parentage, 7.

For the twenty-four years, 1857–1880, the statistics are:—

Whole number from known causes, 33,001.

From intemperance, 238; annual average, 10.

Males, 172; females, 66; total, 238, or 0.72 per cent. of all.

American parentage, 68; foreign parentage, 170.

Of the 238 decedents, 72.27 per cent. were males, and 71.43 per cent. of foreign parentage.

Kidneys, Diseases of. There were 46 deaths from diseases of the kidneys, in 1880, including 33 from “Bright’s Disease,” and 1 from “Addison’s Disease.” The whole number was 3 more than in 1879. The particulars are as follows:—

Males, 21; females, 25; total, 46, or 2.22 per cent. of all.

American parentage, 22; foreign parentage, 24.

For the twenty-five years, 1856–1880:—

Whole number, 526; annual average, 21.

Males, 307; females, 219; total, 526, or 1.55 per cent. of all.

American parentage, 296; foreign parentage, 230.

Liver, Diseases of. The number of deaths in 1880, from diseases of the liver, was 22; 1 more than in 1879, and 1.06 per cent. of all from known causes.

Males, 12; females, 10; total, 22, or 1.06 per cent. of all.

American parentage, 11; foreign parentage, 11.

For the twenty-five years, 1856–1880, the numbers are:—

Whole number, 380; annual average, 15.

Males, 193; females, 187; total, 380, or 1.12 per cent. of all.

American parentage, 186; foreign parentage, 194.

Malformations. Eleven deaths from malformation were reported in 1880, the same number as in 1879. Eight cases were malformation of the heart; 2, of the spine, and 1 was not specified.

Males, 6; females, 5; total, 11, or 0.53 per cent. of all.

American parentage, 8; foreign parentage, 3.

For the twenty-five years, 1856–1880, the numbers are:—

Males, 125; females, 71; total, 196, or 0.58 per cent. of all.

American parentage, 126; foreign parentage, 70.

Marasmus. The number of deaths ascribed to this cause in 1880, was 35, which was 7 more than in 1879; 31 of the decedents were less than 2 years old.

Males, 19; females, 16; total, 35, or 1.69 per cent. of all.

American parentage, 18; foreign parentage, 17.

The statistics for the twenty-five years, 1856–1880, are as follows:—

Whole number, 653; annual average, 26.

Males, 348; females, 305; total, 653, or 1.92 per cent. of all.

American parentage, 329; foreign parentage, 324.

Measles. There were 3 deaths from measles in 1880; in 1879, there were none. This is a disease which has appeared in Provi-

dence, in a very irregular manner ; in several of the years in which these records have been kept, there have been no deaths from this cause ; in other years, a very few ; while in only five of the twenty-five years has it prevailed to any extent. The following table shows the number of deaths in each year since 1856 :—

1856..... 1	1863.....16	1870.....16	1877..... 1
1857..... 2	1864..... 7	1871..... 1	1878..... 3
1858.....40	1865..... 7	1872..... 7	1879..... 0
1859..... 0	1866..... 9	1873.....28	1880..... 3
1860..... 0	1867..... 0	1874..... 4	—
1861..... 6	1868..... 4	1875..... 0	Total, 25 yrs. 29
1862..... 1	1869..... 6	1876..... 0	

The three deaths in 1880, were 0.15 per cent. of all from known causes ; all were females of foreign parentage ; one decedent was less than a year old ; one, between 2 and 5 years ; and one between 5 and 10 years. The following statistics are for the twenty-five years, 1856–1880 :—

Males, 100 ; females, 110 ; total, 210, or 0.62 per cent. of all.

American parentage, 60 ; foreign parentage, 150.

Of the 210 decedents, 71.43 per cent. were of foreign parentage.

Meningitis, Cerebro-Spinal. The number of deaths from this cause in 1880 was 4, or 3 less than in 1879.

Males, 2 ; females, 2 ; total, 4, or 0.19 per cent. of all.

American parentage, 1 ; foreign parentage, 3.

The first cases of this disease in Providence were reported in 1864 ; the number in each year since then is as follows :—

1864..... 2	1870..... 0	1876..... 4
1865..... 2	1871.....12	1877..... 7
1866..... 1	1872.....10	1878..... 7
1867..... 0	1873.....39	1879..... 7
1868..... 1	1874.....10	1880..... 4
1869..... 0	1875..... 6	—
Total, 17 years..112		

Whole number from known causes, in 17 years, 26,192.

From cerebro-spinal meningitis, 112.

Males, 63; females, 49; total, 112, or 0.43 per cent, of all.

American parentage, 53; foreign parentage, 59.

The number and percentage of deaths in each division of age and according to sex and parentage, were as follows for the seventeen years, 1864-1880 inclusive :—

AGES.	NO.	PER CENT.
Under 1 Year.	8	7.14
1 and under 2.	6	5.36
2 and under 3.	15	13.39
3 and under 4.	25	22.32
4 and under 5.	19	16.96
5 and under 6.	14	12.50
6 and under 7.	13	11.61
7 and under 8.	10	8.93
8 and under 9.	7	6.25
9 and under 10.	1	.89
10 and under 11.	1	.89
11 and under 12.	63	56.25
12 and under 13.	49	43.75
13 and under 14.	53	47.32
14 and under 15.	59	52.68
Total.	112	100.00

Of the 112 decedents, 66, or 58.93 per cent., were less than 15 years old.

Murder. Only one death from murder was reported in 1880, that of a foreign female between 30 and 40 years of age.

Old Age. The number of deaths ascribed to this cause in 1880, was 73, which was 9 more than in the previous year. Fourteen of the decedents were more than 90 years old, or 9 more than in 1879.

Males, 31; females, 42; total, 73, or 3.53 per cent. of all.

American parentage, 36; foreign parentage, 37.

For the twenty-five years, 1856-1880, the statistics are :—

Whole number, 1,327; annual average, 53.

Males, 447; females, 880; total, 1,327, or 3.90 per cent. of all.

American parentage, 811; foreign parentage, 516.

Of the 1,327 decedents, 66.31 per cent. were females, and 61.12 per cent. of American parentage.

But a small proportion of those who die at an advanced age are reported under this head, as is shown by the following numbers. In 1880, there were 276 decedents who were more than 70 years old; 190 of American, and 86 of foreign parentage; this was 13.38 per cent. of all the decedents from known causes during the year.

In the twenty-five years, 1856–1880, the number of decedents of more than 70 years of age, was 3,749; 2,613 of American, and 1,136, of foreign parentage; 11.02 per cent. of all from known causes.

Paralysis. Though more properly a symptom of disease than a distinct disease, yet many deaths are reported each year under this head. In 1880, it was assigned as the cause of 30 deaths, the same number as in 1879.

Males, 17; females, 13; total, 30, or 1.45 per cent. of all.

American parentage, 21; foreign parentage, 9.

For the twenty-five years, 1856–1880, the numbers are:—

Whole number, 438; annual average, 18.

Males, 230; females, 208; total, 438, or 1.29 per cent. of all.

American parentage, 327; foreign parentage, 111.

The statistics for apoplexy and paralysis are generally given together in this connection; the following are the figures for each of the 25 years, 1856–1880:—

Years.	Apoplexy.	Paralysis.	Total.	Years.	Apoplexy.	Paralysis.	Total.
1856.....	21.....	2.....	23	1870.....	28.....	24.....	52
1857.....	18.....	9.....	27	1871.....	33.....	23.....	56
1858.....	15.....	3.....	18	1872.....	31.....	20.....	51
1859.....	16.....	6.....	22	1873.....	36.....	21.....	57
1860.....	17.....	11.....	28	1874.....	36.....	23.....	59
1861.....	14.....	11.....	25	1875.....	41.....	35.....	76
1862.....	19.....	5.....	24	1876.....	44.....	24.....	68
1863.....	20.....	8.....	28	1877.....	50.....	24.....	74
1864.....	13.....	16.....	29	1878.....	42.....	24.....	66
1865.....	20.....	18.....	38	1879.....	56.....	20.....	76
1866.....	21.....	8.....	29	1880.....	48.....	20.....	68
1867.....	31.....	18.....	49		—	—	—
1868.....	22.....	24.....	46	Totals, 25 years..	724.....	438.....	1,162
1869.....	32.....	16.....	48				

The statistics of both causes, as to sex and parentage, for the whole period, are as follows :—

Whole number, 1,162; annual average, 46.

Males, 584; females, 578; total, 1,162, or 3.41 per cent. of all.

American parentage, 833; foreign parentage, 329.

The decedents were 71.69 per cent. of American parentage, and 28.31 per cent. of foreign parentage.

Peritonitis. There were 14 deaths from peritonitis in 1880; the same number as in 1879.

Males, 5; females, 9; total, 14, or 0.68 per cent. of all.

American parentage, 6; foreign parentage, 8.

The statistics for the twenty-five years, 1856–1880, are :—

Whole number, 229; annual average, 9.

Males, 101; females, 128; total, 229, or 0.67 per cent. of all.

American parentage, 128; foreign parentage, 101.

Pneumonia. There were 170 deaths from pneumonia in 1880, and 23 from congestion of the lungs; total 193, or 34 more than in 1879, and 53 more than in 1878. The deaths occurred as follows in the different seasons of the year :—

1st quarter.....	62	3d quarter.....	14
2d quarter.....	74	4th quarter.....	43

Of the 193 decedents, 64, or 33.16 per cent. were under 10 years of age; and 80, or 41.45 per cent., were over 50.

Males, 94; females, 99; total, 193, or 9.35 per cent. of all.

American parentage, 86; foreign parentage, 107.

The general statistics for the twenty-five years, 1856–1880, are as follows :—

Whole number, 2,509; annual average, 100.

Males, 1,286; females, 1,223; total, 2,509, or 7.37 per cent. of all.

American parentage, 1,253; foreign parentage, 1,256.

The following table gives the particulars as to the deaths from pneumonia for each of the twenty-five years, 1856–1880; giving the sex, parentage, season, age, whole number, and percentage of all deaths from known causes :—

Scarlatina. The epidemic of scarlatina, which was so severe in 1879, continued to prevail in 1880, through the first half of the year; after that time, though there were some deaths each month, the number diminished very rapidly. The whole number of deaths in 1880 was 243, or 11.77 per cent. of all; in 1879, there were 252 deaths, or 12.49 per cent. of all. The decedents in 1880, were divided as follows as to age: under 1 year, 21; between 1 and 2 years, 29; between 2 and 5 years, 95, or 39.09 per cent. of all from this cause; between 5 and 10 years, 73; between 10 and 15, 15; between 15 and 20, 3; between 20 and 30, 7.

The deaths in the different seasons of the year were as follows:—

1st quarter.....	115	3d quarter.....	82
2d quarter.....	76	4th quarter.....	20

The 115 deaths in the first quarter of the year were 47.33 per cent. of the whole number; the largest number in any one month was 50, in January; the largest number in any one ward was 94, in the tenth ward. The decedents were very evenly divided as to sex, there being only one more male than female; but as to parentage, 63.79 per cent. were of foreign, and 36.21 per cent. of American parentage.

The statistics for the year are as follows:—

Males, 122; females, 121; total, 243, or 11.77 per cent. of all.
American parentage, 88; foreign parentage, 155.

For the twenty-five years, 1856–1880:—

Whole number, 2,002; annual average, 80.
Males, 978; females, 1,024; total, 2,002, or 5.88 per cent. of all.
American parentage, 822; foreign parentage, 1,180.

The following table gives the particulars of sex, parentage, season, and locality, for each of the twenty-six years, 1855–1880:—

A comparison of the statistics of scarlatina, with those of diphtheria and croup, is found under the head of diphtheria.

Scrofula. There was but one death from scrofula in 1880; the decedent was a female of American parentage, between 2 and 5 years old. In 1879 there were 5 deaths from this cause.

Small-pox. There have been no deaths from small-pox in Providence since 1875. For the twenty-five years, 1856–1880, the statistics are as follows :—

Males, 58; females, 21; total 79, or 0.23 per cent. of all.
American parentage, 48; foreign parentage, 31.

The particulars for each year are as follows :—

SMALL-POX.

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	.05
1857.....	.....	.....	.....	.....	.....	.....
1858.....	.....	.....	.....	.....	.....	.....
1859.....	2.....	3.....	5.....	.....	5.....	.05
1860.....	4.....	1.....	3.....	2.....	5.....	.03
1861.....	.....	.....	.....	.....	.....	.....
1862.....	2.....	2.....	1.....	3.....	4.....	.05
1863.....	.....	.....	.....	.....	.....	.....
1864.....	7.....	.....	3.....	4.....	7.....	.05
1865.....	9.....	2.....	8.....	3.....	11.....	.05
1866.....	.....	.....	.....	.....	.....	.....
1867.....	1.....	.....	1.....	.....	1.....	.11
1868.....	1.....	.....	1.....	.....	1.....	.00
1869.....	3.....	.....	3.....	.....	3.....	.24
1870.....	.....	2.....	.....	2.....	2.....	.25
1871.....	.....	3.....	1.....	2.....	3.....	.24
1872.....	9.....	4.....	9.....	4.....	13.....	.52
1873.....	12.....	2.....	8.....	6.....	14.....	.53
1874.....	.....	.....	.....	.....	.....	.....
1875.....	1.....	.....	.....	1.....	1.....	.05
1876.....	.....	.....	.....	.....	.....	.....
1877.....	.....	.....	.....	.....	.....	.....
1878.....	.....	.....	.....	.....	.....	.....
1879.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....
25 years' total.	58.....	21.....	48.....	31.....	79.....	.23

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Skin, Disease of, was reported as the cause of one death in 1880; the decedent was a female of foreign parentage, under 1 year old.

Spine, Diseases of. Three deaths were reported from diseases of the spine during the year, 1880; this was 3 less than in 1879, and 0.15 per cent. of all from known causes.

Males, 2; females, 1; American parentage, 2; foreign parentage, 1.

Stomach, Diseases of. There were 10 deaths reported under this head in 1880, of which 8 were called "inflammation"; the number was 5 less than in 1879. The statistics of sex and parentage are:—

Males, 3; females, 7; total, 10, or 0.49 per cent. of all.

American parentage, 3; foreign parentage, 7.

Suicide. There were but 2 cases of suicide in 1880, 4 less than in 1879; there have been only three years in the twenty-five years during which these records have been kept, when the number was so small; in 1856 there was but one case of suicide reported; in 1857, 2; in 1864, 1; in some years the number has been quite large, in 1877 amounting to 12 cases. In 1880, both cases were by cutting the throat; both decedents were females, of foreign parentage. The statistics for the twenty-five years, 1856-1880, are:—

Males, 103; females, 44; total, 147, or 0.43 per cent. of all.

American parentage, 81; foreign parentage, 66.

Teething. The number of deaths from this cause in 1880 was 16, or 3 more than in the previous year. The statistics of sex and parentage are:—

Males, 7; females, 9; total, 16, or 0.78 per cent. of all.

American parentage, 4; foreign parentage, 12.

Tuberculosis. The number of deaths reported under this head in 1880, was 9, which was 11 less than in 1879.

Males, 3; females, 6; total, 9, or 0.44 per cent. of all.

American parentage, 7; foreign parentage, 2.

There are many tubercular diseases which might very properly be included under this general head ; and the percentage of such a class would exceed that of any other. This was not specified as a separate head in these tables until the year 1867, since which time the deaths have been as follows :

Whole number from known causes in 14 years, 22,737.

From tuberculosis, 181; annual average, 13.

Males, 79; females, 102; total, 181, or 0.80 per cent. of all.

American parentage, 120; foreign parentage, 61.

Tumors. There were 6 deaths from tumors in 1880; 1 less than in 1879.

Male, 1; females, 5; total, 6, or 0.29 per cent. of all.

American parentage, 5; foreign parentage, 1.

Those which were specified were 1 of the spleen; 1, ovarian; 3, uterine.

Unknown. The number of deaths in 1880, of which the cause was not stated, was 17, or 8 more than in 1879.

Males, 7; females, 10; total, 17, or 0.82 per cent. of all deaths.

American parentage, 9; foreign parentage, 8.

Twelve of the decedents were less than a year old.

The statistics of deaths from unknown causes, for the twenty-five years, 1856–1880, are as follows :—

Whole number, 550; annual average, 22.

Males, 284; females, 266; total, 550, or 1.59 per cent. of all.

American parentage, 185; foreign parentage, 365.

Of the 550 decedents, 66.36 per cent. were of foreign parentage.

STILL-BORN.

The following statistics are recorded concerning the still-born children in 1880 :—

Number. The number of still-born children in 1880 was 121 ; 1 less than in 1879, and 4.61 per cent. of the 2,627 children born during the year, or 1 in 21.71.

Sex. The number of males was 76, or 13 more than in 1879 ; the number of females, 45, or 14 less than in the previous year.

Color. White, 111 ; colored, 10.

<i>Locality.</i>	Ward I.....	14	Ward VII....	11
	II.....	2	VIII.....	5
	III.....	17	IX.....	17
	IV.....	7	X.....	22
	V.....	12		—
	VI.....	14	Whole city.....	121

Season. January, 9 ; February and March, 12 each ; April, 9 ; May, 5 ; June, 14 ; July, 9 ; August, 5 ; September, 9 ; October, 11 ; November, 17 ; December, 9.

The number and percentage in each quarter of the year were as follows :—

	Number.	Per cent.		Number.	Per cent.
1st quarter.....	33.....	27.27	3d quarter.....	23.....	19.01
2d quarter.....	28.....	23.14	4th quarter.....	37.....	30.58

Parentage. In the following table the first letter shows the nativity of the father ; the second, that of the mother of the 121 still-born children in 1880.

A. and A.....	52	I. and A.....	1	B. A. and I.....	1
I. and I.....	23	E. and A.....	7	S. and I.....	1
E. and E.....	5	G. and A.....	2	A. and E.....	2
G. and G.....	1	B. A. and A.....	2	S. and E.....	1
B. A. and B. A.....	5	S. and A.....	1	A. and B. A.....	1
P. and P.....	2	A. and I.....	8	E. and S.....	1
Sw. and Sw.....	1	E. and I.....	3	G. and Swiss.....	1
Total.....					121

A.—American; I.—Irish; E.—English; S.—Scotch; G.—German; B. A.—British American; P.—Portuguese; Sw.—Swedish.

The whole number of children born in Providence during the year 1880, was 2,627; of which number, the 121 who were still-born were 4.61 per cent. Of the 2,627 children born, 1,332, or 50.70 per cent., had American mothers; 804, or 30.61 per cent., had Irish mothers; and 491, or 18.69 per cent., had mothers who were of other foreign countries. Of the 121 still-born children, 65, or 53.72 per cent., were children of American mothers; 36, or 29.75 per cent., were children of Irish mothers; and 20, or 16.53 per cent., had mothers, who were natives of other countries.

The proportion of still-born children to the whole number born of mothers of each class, was as follows: of the 1,332 children of American mothers, 65, or 4.88 per cent., were still-born; of the 804 children of Irish mothers, 36, or 4.48 per cent., were still-born; of the 491 children of mothers of other foreign countries, 20, or 4.07 per cent.; to American mothers one still-born child in 20.49; to Irish mothers, one in 22.33; to other mothers, one in 24.55. The proportion of still-born children to the whole number of children borne by mothers of each class, has generally been largest among the Irish; but in 1879 and 1880, the proportion was largest among the American.

The number of children borne by American mothers in 1880, was 44 more than in 1879; but the percentage of these to the whole number of children born was 0.37 per cent. less; of still-born children, the number and proportion borne by American mothers in 1880 were both less than in the previous year. Of the children of Irish mothers in 1880, the number was larger than in 1879; the proportion to all the children born, slightly less; of still-born children in this class,

the number and proportion were both larger than in the previous year. Of children whose mothers were of various other nations, the number and proportion in 1880 were larger than in 1879; of still-born children, the number and proportion were also greater.

For the twenty-five years, 1856–1880, the statistics on this subject are as follows :—

Whole number of children born, 49,049.

Number of still-born, 2,848, or 5.81 per cent. of all; or one in 17.22. Of these 2,848 still-born children, 2,668 were white; 180, colored; 1,641, or 57.62 per cent., were males; and 1,207, or 42.38 per cent., females.

Reckoning the parentage according to the *father's* birth-place, 1,220 were American; 1,241 were Irish; and 380 were children of other foreign fathers; of 7 the parentage was not stated.

The following statement shows the whole number of children borne by *mothers of different nativities*, during the twenty-five years, 1856–1880 inclusive; also the number of still-born children to mothers of each class; and the percentage of the latter to the whole number of children :—

	Whole number of children.	Still-born children.	Percentage of still-born.
American mothers.....	23,035.....	1,224.....	5.31
Irish mothers.....	19,044.....	1,308.....	6.87
English, Scotch or Welsh mothers.....	8,554.....	170.....	4.78
German mothers.....	993.....	29.....	2.92
British American mothers.....	1,628.....	69.....	4.24
Other foreign mothers.....	795.....	48.....	6.04
	49,049.....	2,848.....	5.81

There are considerable differences in the numbers of still-born children, among the mothers of different nativities. The proportion of still-born is much the greatest among the children of mothers born in Ireland. Of all the children born of American mothers in Providence, during twenty-five years, 1856 to 1880 inclusive, one in 18.8 was still-born, while of the children of Irish mothers, one in 14.5 was still-born, and of children of English, Scotch, and Welsh mothers, one in 20.9; and of children of German mothers, one in 34.2 was still-born.

GENERAL SUMMARY.

The following recapitulatory table will give the general results of registration in Providence during the 26 years, 1855 to 1880 inclusive :—

TABLE XXI. BIRTHS, MARRIAGES, AND DEATHS.

YEAR.	Population.	Births.	To population, one birth in	Marriages.	Of population, one person married in	Deaths.	Of population, one death in
1855.....	47,785	1,000	29.88	636	37.56	991	48.23
1856.....	48,797	1,676	29.09	656	37.14	1,065	45.75
1857	49,457	1,686	29.30	614	40.27	925	53.46
1858.....	49,457	1,724	28.68	560	44.15	1,017	48.63
1859.....	50,100	1,593	31.45	616	40.66	899	55.72
1860.....	50,666	1,648	30.74	633	40.02	1,001	50.61
1861....	50,666	1,725	29.87	547	46.31	1,051	48.21
1862.....	52,238	1,529	34.16	547	47.75	914	57.15
1863.....	53,024	1,307	40.56	610	43.46	1,214	43.67
1864.....	53,810	1,344	40.04	739	36.40	1,261	42.01
1865.....	54,595	1,296	42.06	709	38.50	1,311	45.06
1866.....	55,709	1,632	34.13	812	34.30	1,036	53.77
1867.....	56,824	1,624	34.99	856	33.23	960	59.19
1868.....	64,138	1,866	34.37	872	36.77	1,110	57.78
1869.....	66,523	1,819	36.57	930	35.76	1,256	52.96
1870	68,904	1,869	36.48	959	36.93	1,268	54.55
1871.....	72,011	1,960	36.74	943	38.18	1,254	57.42
1872.....	75,118	2,206	34.05	1,084	34.63	1,603	46.86
1873.....	78,225	2,128	36.76	1,150	34.01	1,719	45.51
1874.....	96,453	2,780	34.69	1,176	41.01	1,987	48.54
1875.....	100,676	2,664	37.79	1,079	46.65	1,915	52.57
1876	101,511	2,631	38.56	949	53.48	1,865	54.43
1877.....	101,000	2,543	39.72	953	52.99	1,938	52.12
1878.....	102,286	2,627	38.94	1,016	50.34	1,969	51.43
1879.....	103,572	2,522	41.07	1,071	48.35	2,026	51.12
1880	104,857	2,627	39.92	1,234	42.49	2,060	50.41
Average.....	69,551	1,948	35.70	844	41.20	1,366	50.84

BIRTHS AND DEATHS BY PARENTAGE.

The following tabular statement shows the number of births and deaths, by parentage, in Providence, in each of the twenty-five years from 1856-1880 inclusive. In the three years 1862, 1863, and 1865, there was an excess of deaths over the births in the population of American parentage:—

TABLE XII.

YEAR.	AMERICAN PARENTAGE.			FOREIGN PARENTAGE.		
	Deaths.	Births.	Excess of Births.	Deaths.	Births.	Excess of Births.
1856.....	56	230	174	128	135	7
1857.....	53	221	168	122	125	3
1858.....	52	171	119	124	120	4
1859.....	49	160	111	120	120	0
1860.....	52	171	119	120	125	5
1861.....	126	120	6	123	120	3
1862.....	120	120	0	125	120	5
1863.....	121	120	1	125	120	5
1864.....	60	120	60	120	125	5
1865.....	121	120	1	120	120	0
1866.....	122	120	2	120	120	0
1867.....	122	120	2	120	120	0
1868.....	126	120	6	121	120	1
1869.....	127	120	7	120	120	0
1870.....	122	120	2	121	120	1
1871.....	123	120	3	121	120	1
1872.....	822	1,035	213	771	1,171	400
1873.....	863	1,003	140	857	1,135	278
1874.....	865	1,217	352	1,103	1,303	200
1875.....	914	1,120	206	1,001	1,424	423
1876.....	875	1,100	224	990	1,403	413
1877.....	908	1,238	330	1,030	1,305	275
1878.....	889	1,215	326	1,100	1,412	312
1879.....	941	1,223	282	1,085	1,294	209
1880.....	920	1,262	342	1,100	1,375	275
25 years.....	17,017	22,343	5,326	17,563	26,706	9,143

CENSUS OF PROVIDENCE.

Statement showing the nativity, sex, color, and total population, of the city of Providence by wards, according to the United States census of 1880.

WARDS.	Total Population.	NATIVE WHITE.		FOREIGN WHITE.		COLORED.	
		Males.	Females.	Males.	Females.	Males.	Females.
I.....	13,713	4,501	4,939	1,736	2,051	228	256
II.....	5,002	1,596	1,812	248	806	230	308
III.....	8,720	3,997	3,067	1,089	1,290	115	142
IV.....	6,201	2,202	2,333	649	851	70	76
V.....	8,743	2,912	3,073	1,251	1,423	49	33
VI.....	6,190	2,256	2,531	342	536	219	303
VII.....	9,406	3,169	3,507	1,015	1,240	186	199
VIII	12,816	4,615	5,112	1,199	1,563	135	192
IX.....	15,256	5,506	5,684	1,456	1,728	420	453
X.....	18,810	5,717	5,576	3,006	3,831	7	13
City	104,857	35,475	37,764	12,653	15,319	1,659	1,987

CITY ORDINANCES.—CHAPTER XLVII.

REGISTRATION OF DEATHS.

SECTION 1. There shall be appointed by the City Council a sufficient number of persons to act as undertakers, removable at the pleasure of the City Council.

SEC. 2. Whenever any person shall die in the city, the physician attending in his or her last sickness shall furnish to the undertaker attending the funeral, or to the city registrar, a certificate, giving the name of the person, date of death, and the disease or cause of his or her death.

SEC. 3. No person shall bury, or place in a tomb, or remove from the city, or otherwise dispose of the body of any human being who shall die in the city, without first reporting the death to the city registrar, and obtaining a permit from him.

SEC. 4. No permit shall be given as provided in section three, until the city registrar is furnished with the information in relation to the deceased person, required by the laws of the State, for record, so far as the same can be ascertained, together with the physician's certificate of the cause of death, whenever a physician has been in attendance, or a coroner's certificate, whenever a coroner's inquest has been held.

Whenever a permit for burial is applied for, in a case of death without the attendance of a physician, or if it is impossible to obtain the physician's certificate, the city registrar shall investigate the case so far as may be necessary, and when he has obtained satisfactory evidence in relation to the cause and circumstances of the death, he shall sign the certificate and give the required permit. If not satisfied in relation to the cause and circumstances of the death, or if, in his opinion, the public good requires it, he shall report the case to a coroner for investigation.

SEC. 5. Whenever the body of a human being who has died out of the city shall be brought here for burial, the undertaker, or other person attending the funeral, shall furnish the report required in sections three and four, with the exception of the physician's certificate.

SEC. 6. All funerals shall take place between sunrise and sunset, unless otherwise permitted or directed by the board of health. The top of every coffin deposited in the ground shall be at least three feet below the usual surface thereof.

SEC. 7. The city registrar shall cause an abstract of the returns of deaths made to him to be published in all the newspapers which contract to do the city printing, monthly, and oftener if required by the board of health. He shall also, on or before the first day of April, annually, prepare and present to the city council a statement of the number of births, marriages and deaths which occurred in the city during the year ending with the thirty-first day of December next preceding, with such other information and suggestions in relation thereto as he may deem useful for the promotion of the public health, and other interests of the city.

SEC. 8. No undertaker or other person shall bury or cause to be buried the body of any deceased person in the city, except in such grounds as are or may be designated as burying grounds, and authorized to be used as such.

SEC. 9. Every person violating any provision of this chapter shall pay a fine of not less than five and not more than twenty dollars for each offence.

1882.]

CITY DOCUMENT.

[No. 18.]

TWENTY-SEVENTH ANNUAL REPORT

UPON THE

BIRTHS, MARRIAGES, AND DEATHS

IN THE

CITY OF PROVIDENCE:

FOR THE YEAR

1881,

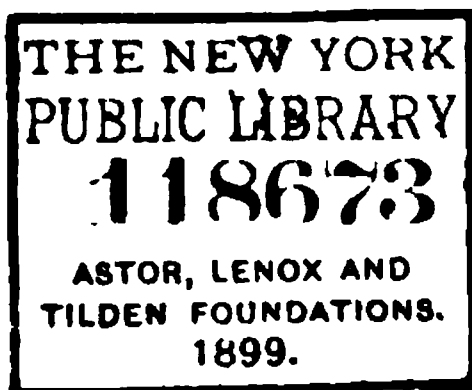
By **EDWIN M. SNOW, M. D.,**

SUPERINTENDENT OF HEALTH AND CITY REGISTRAR.

PROVIDENCE:

PROVIDENCE PRESS COMPANY, PRINTERS TO THE CITY.

1882.



THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved June 30, 1882.]

RESOLVED, That the twenty-seventh annual report of the City Registrar, for the year ending December 31, 1881, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy : witness,

HENRY V. A. JOSLIN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE. }
PROVIDENCE, May 18, 1882.

To the Honorable the City Council:

The report herewith presented upon the births, marriages, and deaths in Providence, during the year ending December 31, 1881, is my twenty-seventh annual report upon this subject.

During the year 1881, there were 2,803 births, 2,145 deaths, and 1,202 marriages, reported in Providence. The births were 176 more, the marriages 30 less, and the deaths 65 more than in 1880.

Estimating the population of the city, in the middle of the year 1881, at 107,500, we have the following proportions of births, marriages, and deaths to population: Births 2,803, or one in 38.35, or 26.07 in each 1,000; Persons married 2,404, or one in 44.72, or 22.36 in each 1,000; Deaths 2,145, or one in 50.11, or 19.95 in each 1,000.

Among the white population of the city, there was, in 1881, one birth in 38.65; one person married in 45.46; and one death in 50.91.

Among the colored population, there was, in 1881, one birth in 30.83; one person married in 30.63; and one death in 34.98.

The report herewith presented contains the usual tables of past reports, with some additional tables relating to important diseases in the city, and also tables relating to the census of the population.

EDWIN M. SNOW, M. D.,

Superintendent of Health and City Regis

CITY REGISTRAR'S REPORT.

1881.

BIRTHS.

The number of children born in Providence, during the year 1881, was 2,803.

Table I. gives the number of births in each ward of the city, and in the whole city, in each month and quarter of the year; also, for the city, the number of each sex, and the number of colored children in each month and quarter:—

TABLE I. BIRTHS, 1881. *Wards, Months, Sex and Color.*

Births in	January.	February.	March.	April.	May.	June.
27 years, 1855-1881.....	4,301.....	4,008.....	4,633.....	4,133.....	4,422.....	4,794
Daily average.....	5.02.....	5.36.....	5.56.....	5.19.....	5.28.....	5.83
Births in	July.	August.	Sept.	Oct.	Nov.	Dec.
27 years, 1855-1881.....	4,492.....	4,488.....	4,430.....	4,641.....	4,533.....	4,746
Daily average.....	5.26.....	5.36.....	5.47.....	5.54.....	5.58.....	5.67
Whole number of births in 27 years, 53,452; daily average, 5.42.						

The largest aggregate number of births in any month was in December; the smallest, in February; the highest daily average was in June; the lowest, in January. There were six months in which the daily average was above the general average of the whole period, namely: March, June, September, October, November and December; in the other months the daily average was less than the general average.

Sex and Locality. The number of children of each sex, born in each ward of the city, in each quarter of the year, and in the whole year, is shown by the following table:—

TABLE II. BIRTHS, 1881. *Wards, Sex, and Season.*

BIRTHS: COLOR.

7

The following figures show the number of births, marriages and deaths among the colored population of Providence in 1881, in the twenty-five years previous, and in the whole period of twenty-six years, 1856—1881 inclusive :—

Twenty-five years, 1856-1880.....	1,894 births.....	928 marriages.....	1,995 deaths.
1881.....	121 births.....	61 marriages.....	107 deaths.
Twenty six years, 1856-1881.....	2,015 births.....	989 marriages.....	2,103 deaths.

In the year 1881, the proportion of deaths to births in this class was 88.4 to 100 ; for the whole period of twenty-six years, the proportions were 104.4 deaths to 100 births.

It is quite unusual to find so large an excess of births over deaths in this class of the population, as in 1881. Though there have been eleven years, in the course of the twenty-six, in which there were more births than deaths, the excess, with one or two exceptions, has been quite small ; and taking the whole period together, there have been 87 more deaths than births. The number of births, marriages and deaths among the colored population of Providence, in each year since 1856, has been as follows :—

1856.....	50 births.....	14 marriages.....	48 deaths.
1857.....	31 births.....	20 marriages.....	51 deaths.
1858.....	51 births.....	17 marriages.....	30 deaths.
1859.....	36 births.....	9 marriages.....	52 deaths.
1860.....	54 births.....	15 marriages.....	68 deaths.
1861.....	51 births.....	15 marriages.....	63 deaths.
1862.....	61 births.....	13 marriages.....	34 deaths.
1863.....	32 births.....	65 marriages.....	53 deaths.
1864.....	38 births.....	12 marriages.....	73 deaths.
1865.....	46 births.....	23 marriages.....	68 deaths.
1866.....	67 births.....	36 marriages.....	80 deaths.
1867.....	75 births.....	35 marriages.....	53 deaths.
1868.....	90 births.....	58 marriages.....	67 deaths.
1869.....	85 births.....	60 marriages.....	82 deaths.
1870.....	104 births.....	52 marriages.....	83 deaths.
1871.....	91 births.....	46 marriages.....	76 deaths.
1872.....	99 births.....	54 marriages.....	142 deaths.
1873.....	112 births.....	49 marriages.....	110 deaths.
1874.....	109 births.....	60 marriages.....	104 deaths.
1875.....	101 births.....	48 marriages.....	111 deaths.
1876.....	108 births.....	38 marriages.....	110 deaths.
1877.....	104 births.....	46 marriages.....	105 deaths.
1878.....	104 births.....	54 marriages.....	106 deaths.
1879.....	104 births.....	43 marriages.....	112 deaths.
1880.....	91 births.....	57 marriages.....	96 deaths.
1881.....	121 births.....	61 marriages.....	107 deaths.
26 years.....	2,015 births.....	989 marriages.....	2,103 deaths.

PARENTAGE.

The parentage of the children born in Providence in 1881 is shown by the following table, which gives the number of children, according to parentage, born in each ward ; also the percentage of each class, in the whole city. Where the parents were of different foreign nations, the parentage is given according to the birth-place of the father.

TABLE III. BIRTHS, 1881. *Wards and Parentage.*

PARENTAGE.	WARDS.										Whole City.	In each 100 born there were
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		
American.....	148	55	96	49	65	81	112	185	209	141	1,141	40.71
Irish.....	80	7	73	33	55	16	58	45	88	125	650	23.19
English, Scotch and Welsh..	22	5	16	7	23	2	18	27	34	108	292	9.34
German.....	4	2	.....	.....	12	1	2	4	11	21	57	2.03
British American.....	13	4	7	2	16	3	5	9	10	15	84	3.00
Portuguese.....	.....	.....	24	.....	.....	.....	1	.....	3	3	30	1.07
Other Foreign.....	14	1	5	15	5	1	10	.....	10	7	68	2.43
Total Foreign.....	183	19	125	57	111	23	94	85	156	348	1,151	41.06
American father and Foreign mother.....	28	5	24	10	27	8	17	25	30	50	224	7.99
Foreign father and American mother	45	3	27	12	22	10	20	27	29	92	267	10.24
Ward totals.....	354	82	272	128	235	122	243	322	424	631	2,808	100.00

The "other foreign" mentioned in the table were as follows: in the First ward, 12 of Russian parentage, 1 Austrian, 1 Italian; in the Second, 1 Russian; in the Third, 2 Russian, 1 Swedish, 1 Spanish, and 1 of St. Helena Island; in the Fourth, 12 Italian, 2 Swedish, 1 French; in the Fifth, 2 French, 1 each Swiss, Norwegian and Swedish; in the Sixth, 1 Italian; in the Seventh, 10 Italian, in the Eighth, none; in the Ninth, 7 Swedish, 1 each French, Danish, and of St. Helena Island; in the Tenth, 4 Italian, 2 French, 1

Bohemian. Thus there were in all the city 28 of Italian parentage ; 15 of Russian ; 11 Swedish, 6 French ; 2 of St. Helena ; 1 each of Norwegian, Austrian, Bohemian, Danish, Swiss, and Spanish.

In the Third, Fourth, Fifth and Tenth Wards, the number of children of purely foreign parentage was larger than the number of American parentage ; in the whole city the number of foreign was 10 more than the number of American parentage.

The following table gives the number and percentage of children of American, foreign and mixed parentage, in each of the twenty-six years, 1856-1881 ; and the number and percentage for the whole time :—

Year.	American.		Foreign.		Amer. father. For. mother.		For. father. Amer. mother.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1856.....	765	42.09	857	51.17	55	3.22	58	3.52
1857.....	650	38.51	937	55.51	51	3.02	50	2.96
1858.....	712	41.30	886	51.39	58	3.36	68	3.95
1859....	599	37.60	887	55.69	59	3.70	49	3.01
1860.....	661	40.11	857	52.00	69	4.19	61	3.70
1861.....	654	37.91	916	53.10	86	4.99	69	4.00
1862.....	589	38.52	799	52.26	74	4.84	67	4.38
1863.....	467	35.73	711	54.40	62	4.74	67	5.13
1864.....	520	38.09	699	52.00	61	4.47	63	4.84
1865.....	476	36.67	684	52.70	70	5.39	68	5.24
1866.....	656	40.20	821	50.30	70	4.29	85	5.21
1867.....	645	39.72	791	48.70	80	4.93	103	6.65
1868.....	779	41.75	868	46.51	103	5.62	116	6.22
1869.....	822	45.19	776	42.16	104	5.72	117	6.43
1870.....	800	42.35	862	45.64	90	4.76	137	7.25
1871.....	879	44.85	828	42.24	101	5.15	152	7.76
1872.....	907	41.12	1,002	45.42	128	5.80	169	7.66
1873.....	809	40.84	941	44.22	134	6.29	184	8.65
1874.....	1,068	38.42	1,326	47.70	149	5.33	237	8.52
1875.....	990	37.50	1,256	47.15	181	6.79	228	8.56
1876.....	1,007	38.27	1,230	46.75	162	6.16	232	8.82
1877.....	1,054	41.45	1,067	41.96	184	7.23	238	9.36
1878.....	1,035	39.40	1,174	44.69	180	6.85	238	9.06
1879.....	1,029	40.80	1,035	41.04	199	7.89	250	10.27
1880.....	1,048	39.90	1,091	41.52	204	7.77	284	10.81
1881.....	1,141	40.71	1,151	41.06	224	7.99	287	10.24
26 years....	20,771	40.08	24,452	47.16	2,937	5.66	3,692	7.12

Of children of American parentage, the percentage is a little larger than in 1880, and the number larger than in any previous year; of children of foreign parentage, the percentage is slightly less than in the preceding year, although the number is larger than it has been since 1878; of children of American fathers and foreign mothers, the number and proportion are greater than in 1880; of children of foreign fathers and American mothers, the number is greater and the percentage less than in 1880.

The following table gives the percentage of children of each nationality, born in Providence, in each of the twenty-six years, 1856-1881:—

	American.	Irish.	English. S. & W.	German.	British. American.	Portuguese.	Other for'n.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per ct.
1856.....	42.09.....	41.79.....	4.84.....	2.27.....	.....	.....	2.27
1857.....	38.51.....	44.32.....	5.92.....	3.73.....	.....	.....	1.54
1858.....	41.30.....	42.98.....	4.82.....	2.26.....	.....	.....	1.33
1859.....	37.60.....	45.58.....	5.34.....	3.28.....	.....	.....	1.51
1860.....	40.11.....	40.96.....	6.53.....	2.86.....	.....	.....	1.64
1861.....	37.91.....	42.61.....	6.03.....	2.49.....	.....	.....	1.97
1862.....	38.52.....	41.53.....	6.02.....	3.07.....	.....	.....	1.64
1863.....	35.73.....	43.08.....	6.35.....	2.98.....	.....	.....	1.99
1864.....	38.69.....	41.86.....	6.55.....	2.75.....	.....	.....	1.34
1865.....	36.67.....	42.99.....	5.83.....	1.85.....	.....	.....	1.98
1866.....	40.20.....	39.52.....	6.25.....	2.21.....	.....	.....	2.82
1867.....	39.72.....	37.81.....	5.66.....	3.02.....	.....	.....	2.21
1868.....	41.75.....	36.01.....	6.48.....	1.88.....	1.07.....	.....	1.07
1869.....	45.19.....	34.14.....	4.01.....	1.81.....	1.32.....	.....	1.38
1870.....	42.35.....	34.66.....	6.19.....	1.96.....	1.91.....	.....	.90
1871.....	44.85.....	32.25.....	4.51.....	1.63.....	2.09.....	.....	1.73
1872.....	41.12.....	32.46.....	5.67.....	2.77.....	2.31.....	.....	2.31
1873.....	40.84.....	30.50.....	7.19.....	1.88.....	2.49.....	.....	2.16
1874.....	38.42.....	32.63.....	8.13.....	2.34.....	2.19.....	1.22.....	1.19
1875.....	37.50.....	31.53.....	7.69.....	2.85.....	2.67.....	.96.....	1.43
1876.....	38.27.....	31.03.....	7.75.....	2.59.....	2.89.....	1.22.....	1.25
1877.....	41.45.....	28.08.....	6.96.....	1.96.....	2.56.....	1.10.....	1.30
1878.....	39.40.....	29.65.....	6.74.....	2.55.....	2.86.....	1.18.....	1.71
1879.....	40.80.....	27.04.....	6.82.....	1.98.....	2.54.....	.96.....	1.70
1880.....	39.90.....	26.15.....	7.50.....	1.67.....	3.27.....	1.60.....	1.33
1881.....	40.71.....	23.19.....	9.34.....	2.08.....	3.00.....	1.07.....	2.43

The British American were included in the "other foreign" until

1868, and the Portuguese until 1874. The highest percentage of American parentage in any year was 45.19 in 1869; the lowest, 35.73, in 1863; of Irish parentage, the highest percentage was 45.58 in 1859, and the lowest, 23.19, in 1881: while of English or Scotch parentage, the largest percentage was in 1881, the least, 4.01, in 1869.

The parentage of the children born in 1881 is shown more definitely in Table IV., which gives the birth-places of both parents:—

TABLE IV. BIRTHS, 1881. *Parentage.*

	BIRTH-PLACES OF MOTHERS.							all
mother's birth-place.....	1,428	800	287	50	120	20	65	2,903

The 1,141 children whose parents were both American, were 40.71 per cent. of all the children born during the year; this was 93 more children, and 0.81 per cent. more than in 1880. There were also 224 children of American fathers and foreign mothers, which made 1,365 children with American fathers, or 48.70 per cent. of all; this was 113 more children, and 1.03 per cent. more, than in 1880. The children of foreign fathers and American mothers were 287, which gives a total of 1,428 children of American mothers, or 50.95 per cent. of all the children born; this was 96 more children, and 0.24

per cent. more, than in the preceding year. Of the two classes of children of mixed parentage, the number was 511, or 18.23 per cent. of all. There were 1,151 children of purely foreign parentage; this was 41.06 per cent. of the whole number; 60 more children, but 0.46 per cent. less than in 1880. Of these 1,151 children, 1,013 had parents who were of the same foreign country; this was 88.01 per cent. of the children of foreign parentage, and 36.14 per cent. of all the children born during the year. The 138 children whose parents were natives of different foreign countries were 11.99 per cent. of all the children of foreign parentage; and 4.92 per cent. of the whole number of children born during the year.

NUMBER OF THE CHILD.

Table V. shows how many of the 2,803 children born in 1881 were the first, second, third, etc., children of their mothers; also the same facts in regard to the 50,649 children born during the twenty-six years preceding, 1855-1880, inclusive:—

TABLE V. BIRTHS, 1881. *Number of the Child.*

NUMBER OF CHILD.	1881.	26 years, 1855-1880.	NUMBER OF CHILD.	1881.	26 years, 1855-1880.
<i>First child of the mother</i>	624	12,436	<i>Twelfth ch'ld of the moth'r</i>	15	200
<i>Second " " "</i>	558	10,362	<i>Thirteenth " " "</i>	5	82
<i>Third " " "</i>	414	8,113	<i>Fourteenth " " "</i>	5	40
<i>Fourth " " "</i>	346	6,119	<i>Fifteenth " " "</i>	7	16
<i>Fifth " " "</i>	302	4,440	<i>Sixteenth " " "</i>	1	6
<i>Sixth " " "</i>	173	3,324	<i>Seventeenth " " "</i>	.....	7
<i>Seventh " " "</i>	146	2,268	<i>Eighteenth " " "</i>	.....	1
<i>Eighth " " "</i>	99	1,447	<i>Nineteenth " " "</i>	.. . .	4
<i>Ninth " " "</i>	58	940			
<i>Tenth " " "</i>	36	611	<i>Whole number of chil-</i>		
<i>Eleventh " " "</i>	14	333	<i>dren.....</i>	2,803	50,649

The 624 children, who were the first children of their mothers, were 22.26 per cent. of the 2,803 children born during the year; this was 1.04 per cent. less than the same class of children in 1880. Of the 50,649 children born in the 26 years, 1855-1880, 12,436, or 24.55 per cent., were the first children of their mothers.

Average number of children to each mother. There were 23 twin births in 1881 ; the number of mothers, therefore, was 2,780. From Table VII. we see that these mothers had borne in all 10,111 children, which would average 3.64 children to each mother.

The next table shows the average number of children to each mother, in each of the twenty-seven years, 1855 to 1881, inclusive. This table shows the number of children the mothers included in the figures had borne, previous to the end of the year 1881 ; but it does not show the average number of children the same mothers may have in their life-time :—

TABLE VI. BIRTHS, 1855 TO 1881.

Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate. No. of Children.	Average.
1855.....	1,588.....	1,600	5,214.....	3.28 children to each mother.
1856.....	1,658.....	1,675.....	5,562	3.35 children to each mother.
1857.....	1,664.....	1,688.....	5,736	3.44 children to each mother.
1858.....	1,706.....	1,724.....	5,685.....	3.33 children to each mother.
1859.....	1,570.....	1,598.....	5,618.....	3.58 children to each mother.
1860.....	1,627.....	1,648.....	5,841.....	3.59 children to each mother.
1861.....	1,694.....	1,725.....	6,017.....	3.55 children to each mother.
1862.....	1,512.....	1,529.....	5,322.....	3.52 children to each mother.
1863.....	1,396.....	1,307.....	4,717.....	3.64 children to each mother.
1864.....	1,337.....	1,344	4,867.....	3.63 children to each mother.
1865.....	1,279.....	1,298.....	4,625.....	3.60 children to each mother.
1866.....	1,614.....	1,631.....	5,744.....	3.56 children to each mother.
1867.....	1,595.....	1,624.....	5,497.....	3.50 children to each mother.
1868.....	1,841.....	1,866.....	6,338.....	3.44 children to each mother.
1869.....	1,797.....	1,819.....	5,954.....	3.30 children to each mother.
1870.....	1,859.....	1,889.....	6,145.....	3.31 children to each mother.
1871.....	1,937.....	1,960.....	6,420.....	3.31 children to each mother.
1872.....	2,174.....	2,206.....	7,346.....	3.38 children to each mother.
1873.....	2,104.....	2,128.....	6,731.....	3.20 children to each mother.
1874.....	2,738	2,780.....	8,960.....	3.27 children to each mother.
1875.....	2,634	2,664.....	8,977	3.41 children to each mother.
1876.....	2,604.....	2,631.....	8,914.....	3.42 children to each mother.
1877.....	2,516.....	2,543	8,705.....	3.46 children to each mother.
1878.....	2,597.....	2,627.....	9,417.....	3.63 children to each mother.
1879.....	2,499	2,522.....	8,942.....	3.58 children to each mother.
1880.....	2,600.....	2,637.....	9,286.....	3.61 children to each mother.
1881.....	2,780.....	2,803	10,111.....	3.64 children to each mother.
27 years	52,810.....	53,452.....	183,811.....	3.46 children to each mother.

Table VII. gives the number of the child in connection with the age of the mother ; shows how many first, second, third, etc., children were borne in 1881 by mothers at the ages given ; the number of mothers of each age, and the aggregate and average number of children they had borne :—

TABLE VII. BIRTHS, 1881. *Number of child with age of mother.*

AGE OF THE MOTHERS IN YEARS.	NUMBER OF CHILD.																Number of mothers at each age.	Children they bore in 1881.	Total children they had borne.	Average number of children to mothers at each age.
	1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	14th.	15th.	16th.				
16.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	5	5	1.00
17.....	13	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14	14	15	1.07
18.....	18	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16	16	19	1.19
19.....	32	10	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	44	44	56	1.32
20.....	40	13	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58	58	81	1.40
21.....	45	29	7	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83	83	132	1.59
22.....	66	41	8	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	120	120	186	1.55
23.....	72	*48	24	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	149	150	294	1.77
24.....	*50	*45	29	14	5	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	152	154	323	2.16
25.....	*73	61	33	12	5	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	184	185	372	2.02
26.....	43	53	*41	23	15	5	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	180	181	476	2.64
27.....	*36	38	37	19	19	4	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	155	156	438	2.83
28.....	†31	39	34	*43	*27	13	2	1	.....	.....	.....	.....	.....	.....	.....	.....	186	190	606	3.27
29.....	21	37	31	34	*27	11	7	1	1	.....	.....	.....	.....	.....	.....	.....	169	170	566	3.47
30.....	23	37	38	29	†34	21	6	3	3	.....	.....	.....	.....	.....	.....	.....	192	194	706	3.66
31.....	8	17	21	27	*23	7	6	2	3	.....	.....	.....	.....	.....	.....	.....	113	114	430	3.98
32.....	11	28	22	*24	*24	17	15	4	1	1	.....	.....	.....	.....	.....	.....	147	149	603	4.13
33.....	5	14	*21	24	19	14	16	4	1	2	2	.....	.....	.....	.....	.....	121	122	503	4.65
34.....	4	7	15	10	20	7	7	8	4	7	1	.....	.....	.....	.....	.....	90	90	476	5.29
35.....	12	13	14	19	*22	16	16	19	7	6	1	.....	.....	.....	.....	.....	146	147	768	5.26
36.....	1	6	7	*17	13	15	17	13	7	2	*2	3	.....	.....	.....	.....	101	103	606	6.00
37.....	1	4	8	13	13	*8	10	8	9	4	3	2	.....	.....	.....	.....	82	83	504	6.13
38.....	.....	4	4	12	12	13	18	9	7	2	1	3	1	.....	1	.....	87	87	562	6.46
39.....	2	7	5	7	8	*7	6	5	6	1	3	1	.....	1	.....	.....	57	58	327	5.74
40.....	3	1	3	*1	6	6	6	8	5	6	1	2	1	1	1	.....	50	51	368	7.36
41.....	1	1	3	5	1	.....	2	4	1	.....	1	.....	.....	1	.....	.....	20	20	119	5.95
42.....	1	.....	.....	1	1	3	3	3	1	3	1	.....	2	2	1	.....	27	27	232	8.59
43.....	.....	.....	1	1	3	1	3	2	1	.....	1	.....	1	1	2	.....	16	16	136	8.12
44.....	.....	.....	1	1	.....	.....	2	.....	1	1	.....	.....	.....	.....	.....	.....	6	6	42	7.00
45.....	.....	.....	.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	1	1	.....	5	5	48	9.60
46.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	2.00
47.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	2	2	16	8.00
50.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	1	15	15.00
Age not stated...	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	1.00
Totals.....	624	558	414	346	302	173	146	99	58	36	14	15	5	5	7	1	2,780	2,808	10,111	3.64

* One of these mothers bore twins.

† Two of these mothers bore twins.

The reference marks in this table show the number of the first child in each case of plurality-birth ; thus, at the age of 28, four mothers bore twins ; in two cases, they were the first and second children ; in one case the fourth and fifth ; and in one the fifth and sixth ; at the age of 36 two mothers bore twins ; in one case the fourth and fifth children, and in one the eleventh and twelfth.

There was one mother 50 years old who bore her fifteenth child in 1881. The number of mothers, of 40 years of age and over, who bore children in 1881 was 128, the number of children borne by them during the year, 129, and the whole number of children borne by them 972, an average of 7.59 children to each mother. The record of the ages of the mothers has been kept since July 1, 1863, a period of eighteen years and six months, during which time there have been 1,924 mothers, 40 years old and over, who have borne, during these years, 1,946 children. Including *all* the children previously borne by these same mothers, we have a total of 13,906 children, an average of 7.23 children to each mother.

In making up the statistics on this subject for 1881, a review was made of Table VII., by which several mistakes were discovered, chiefly in the report for 1873. They have been rectified, and the figures, as given in the present report, are believed to be correct.

During this time, since July 1, 1863, the number of children borne by mothers whose age was stated, was 39,524 ; the number of children to mothers of each age, during the time, was as follows :—

Age of mother.	Children.	Age of mother.	Children.	Age of mother.	Children.
14.....	5	27.....	2,368	40.....	905
15.....	19	28.....	2,778	41.....	253
16.....	57	29.....	2,017	42... ..	315
17.....	165	30.....	3,157	43.	173
18	413	31.....	1,349	44.....	108
19.....	685	32.....	1,884	45.....	111
20	1,107	33.....	1,573	46.....	30
21.....	1,282	34.....	1,329	47	26
22	1,908	35.... ..	1,989	48.....	12
23.....	2,111	36.....	1,209	49.....	3
24.... ..	2,341	37.....	990	50.....	10
25.....	2,651	38.....	1,068		
26.....	2,437	39.....	693	All known ages.	39,524

These children were divided as follows to mothers of different divisions of age :—

Under twenty years.....	2,451
Twenty, and under twenty-five.....	7,637
Twenty-five, and under thirty.....	12,249
Thirty, and under thirty-five.....	9,228
Thirty-five, and under forty.....	5,949
Forty, and under forty-five.....	1,774
Forty-five and over.....	192
<hr/>	
Total.....	39,524

Of these 39,524 children, 22,337 or 56.52 per cent., were borne by mothers less than thirty years old ; 15,241, or 38.56 per cent., by mothers between thirty and forty years old ; and 1,946, or 4.92 per cent., by mothers forty years old and over.

PLURALITY BIRTHS.

The number of cases of plurality births in Providence in 1881 was 23, which was 4 less than in 1880.

The following statistics are given in regard to them :

Cases. 23 ; number of children, 46.

Locality. First ward, 3 ; Second, 0 ; Third, 3 ; Fourth, 0 ; Fifth, 0 ; Sixth, 4 ; Seventh, 3 ; Eighth, 3 ; Ninth, 2 ; Tenth, 5.

Season. January, 2 ; February, 1 ; March, 0 ; April, 4 ; May, 0 ; June, 3 ; July, 3 ; August, 1 ; September, 2 ; October, 3 ; November, 3 ; December, 1.

Sex. In seven cases both children were males ; in five, both were females ; in eleven cases, there was one of each sex ; total, 25 male and 21 female children.

Color. The parents were white in every case.

Number of the Children and Age of the Mother. From the reference marks in Table VII. may be found the number of plurality births to mothers at different ages ; and the number of the children

in each case. In five cases they were the first and second children of mothers 24, 25, 27, and two of 28 years of age; in two cases, the second and third children of mothers 23 and 24 years of age; in two, the third and fourth children of mothers 26 and 33 years old; in four, the fourth and fifth children of mothers 28, 32, 36 and 40 years old; in seven, the fifth and sixth children of mothers 28, 29, 31, 32, 35, and two of 30 years old; in two, the sixth and seventh children of mothers 37 and 39 years old; in one case the eleventh and twelfth children of a mother 36 years old. There were eleven cases in which the mothers were under thirty years of age.

Parentage. In nine cases both parents were American; in five, both were Irish; in one, both were English; in one, both were Scotch; in one, both German; in one, the father was English and the mother American; in one, the father American and the mother Swedish; in one, the father American and the mother English; in one, the father Irish and the mother American; in one, the father British American and the mother Irish; in one, the father English and mother Irish.

TWENTY-SEVEN YEARS' SUMMARY OF PLURALITY BIRTHS.

In the twenty-seven years, 1855-1881, the number of cases of plurality births in Providence was 633; of twins, 624; of triplets, 9; total number of children, 1,275.

Sex. Of the nine cases of triplets, in one case, all the children were males; in five cases, all were females; and in three cases, there were two male children and one female; making 9 male and 18 female children in the nine cases.

Of the 624 cases of twins, there were 204 in which both children were males; 211 in which both were females; and 209 in which there was one child of each sex; total, 617 male and 631 female children. Of the 1,275 children of all the cases of plurality births, there were 626 males and 649 females; a proportion of 103.6 females to 100 males, or 50.90 male and 49.10 female children in each 100.

Color. In all the cases of triplets the parents were white. Of the 624 cases of twins, in 602 the parents were white, and in 22 they were colored.

Parentage. Of the triplets, in one case, the parents were both American; in five cases, both were Irish; in one case, both German;

in one, the father was English and the mother Irish ; and in one, the father Scotch and the mother Irish.

In the following table, for the 624 cases of twin births, the nativity of both parents is given ; the first letter representing the father's birth-place, and the second the mother's.

A., American ; I., Irish ; E., English ; S., Scotch ; W., Welsh ; G., German ; B. A., British American ; D., Dutch ; P., Portuguese ; It., Italian ; Sw., Swedish.

Parentage.	No.	Parentage.	No.	Parentage.	No.	Parentage.	No.
A. and A	207	E. and A.....	14	Sw. and I.....	1	I. and W....	1
I. and I.	240	S. and A.....	2	It. and I.....	1	A. and B. A.....	6
E. and E.....	30	B. A. and A.....	6	P. and I.....	1	I. and B. A.....	2
S. and S.....	7	G. and A.....	2	A. and E.....	4	F. and B. A.....	1
G. and G.....	16	Sw. and A.....	1	I. and E.....	6	S. and B. A.....	1
B. A. and B. A... .	10	A. and I.....	13	S. and E.....	1	A. and Sw.....	1
D. and D.....	1	E. and I.....	12	G. and E.....	1		
P. and P.....	9	S. and I.....	3	A. and S.....	1	Total.....	624
It. and It.....	1	G. and I.....	1	I. and S.....	3		
I. and A.....	15	B. A. and I.....	2	E. and S.....	1		

There were 247 cases of twin births in which the mothers were of American birth ; this was 39.58 per cent. of all ; in 274 cases, or 43.91 per cent., the mothers were Irish.

In the 633 cases of plurality births in the twenty-seven years, there were 248 American mothers and 385 foreign mothers. The whole number of American mothers bearing children during this time was 24,924 ; the 248 mothers in cases of plurality births were about 1.00 per cent. of this number ; the whole number of foreign mothers bearing children in the same time was 27,909,—the 385 foreign mothers in cases of plurality births were therefore 1.38 per cent. of all the foreign mothers.

Proportion of plurality births to whole number. The following statement shows how the year 1881 compares with the twenty-six years previous, as to the number of plurality births, and the proportion of these to the whole number of births ; also the same facts for the whole period of twenty-seven years, 1855–1881 inclusive :—

PLURALITY BIRTHS.

19

	Single Births.	Twin.	Triplet.	Whole No. of Births.	Whole No. of Children.
26 years, 1855-1880.....	49,420	601	9	50,030	50,649
1881.....	2,757	23	0	2,780	2,803
27 years' totals.....	52,177	624	9	52,810	53,452

Proportion of cases of plurality births:—

	Twins.	Triplets.
1855-1880.....	1 in 83.2	1 in 5,558.8
1881.....	1 in 120.8	
1855-1881.....	1 in 84.6	1 in 5,867.8

Proportion of children of plurality births:—

	Twins.	Triplets.
1855-1880.....	1 in 42.1	1 in 1,778.6
1881.....	1 in 60.9	
1855-1881.....	1 in 42.8	1 in 1,979.7

Proportion of plurality births by parentage. The number of births in the twenty-seven years, 1855-1881 inclusive, was 52,810. The following figures show the number of births of American, foreign and mixed parentage, and the number and proportion of plurality cases in each class:—

	Whole No. Births.	Plurality Cases.	1 in	Per Ct.
American parents.....	21,201	208	101.9	or 0.98
Foreign parents.....	24,939	360	69.3	or 1.44
Am. father, foreign mother....	2,958	25	118.3	or 0.85
Foreign father, Am. mother...	3,712	40	92.8	or 1.08
Total.....	52,810	633	83.4	or 1.20

Of the 633 cases of plurality births, the 208 of American parentage were 32.86 per cent. ; the 360 of foreign parentage were 56.87 per cent. ; the 25 with American father and foreign mother were 3.95 per cent. ; and the 40 with foreign father and American mother were 6.32 per cent.

TABLE IX. MARRIAGES, 1881. *Nativity of the Parties.*

BIRTH-PLACES OF GROOMS.	BIRTH-PLACES OF BRIDES.							Whole number of grooms.
	United States.	Ireland.	England, Scotland and Wales.	Germany.	British America.	Portugal and Western Islands.	Other Countries.	
United States.....	675	40	28	....	43	.....	8	794
Ireland.....	48	107	4	.....	3	.....	.....	162
England, Scotland and Wales.....	51	17	41	.....	12	.....	.....	121
Germany.....	8	1	.....	10	.....	.....	1	20
British America.....	25	4	2	.....	37	.....	.....	68
Portugal and Western Islands....	1	1	.....	.....	.....	8	.....	10
Other Countries.....	10	5	.....	.....	.....	.....	12	27
Whole number of brides	818	175	75	10	95	8	21	1,202

Bride and groom born in the same country. There were 890 marriages, or 74.04 per cent. of all, in which both parties were natives of the same country; this was 57 less marriages, and 2.83 per cent. less than in 1880. In 675 marriages, or 56.16 per cent. of all, both parties were born in the United States; this was 75 less marriages, and 4.72 per cent. less, than in the previous year. There were 107 marriages, or 8.90 per cent. of all, where both were natives of Ireland; 12 less marriages, and 0.75 per cent. less, than in 1880. There were 41 marriages where both persons were English or Scotch; 1 more than in 1880; 37 where both were British American; 17 more than in the preceding year; and 10 where both were German; 6 more than in the preceding year. The 10 brides born in Germany all married their own countrymen; also the 8 brides born in Portugal or the Western Islands.

Bride and groom born in different countries. The inter-marriage of the different nations represented in our population, is shown by the preceding table. Thus there were 312 marriages in which the bride

and groom were of different nationalities; this was 25.96 per cent. of all the marriages; 27 more than in 1880, and 2.83 per cent. more. Of these 312 marriages, there were 119, or 38.14 per cent., in which the groom was born in the United States; and 143, or 45.83 per cent., in which the bride was born in the United States. Of the 794 grooms who were natives of this country, the 119 who married natives of other countries were 14.99 per cent.; this was 3.33 per cent. more than in 1880. Of the 162 grooms born in Ireland, 55, or 33.95 per cent., married women who were natives of other countries than their own; of the 121, born in England or Scotland, 80, or 66.12 per cent.; of the 20 born in Germany, 10, or just 50 per cent.; of the 68, born in British America, 31, or 45.59 per cent. There were 818 brides born in the United States; of these, 143, or 17.48 per cent., married natives of other countries; this was 1.75 per cent. more than in the previous year. Of the 175 brides born in Ireland, 68, or 38.86 per cent., married natives of other countries; of the 75 born in England or Scotland, 34, or 45.33 per cent.; of the 95 born in British America, 58, or 61.05 per cent.

We find in this table 27 grooms who were born in other countries than those named; they were natives of the following countries: Italy, 7; Sweden, 5; Norway, 4; Denmark, Greece and Switzerland, 2 each; Austria, Belgium, Holland, Africa, and the West Indies, one each.

The 21 brides who were natives of "other countries," were as follows: Sweden, 7; Italy, 4; Norway, 2; France, Hungary, Holland, Denmark, Bermuda, and Burmah, one each; and one was born in the Indian Ocean; and one "at sea."

In the following table are given the number and percentage of American, foreign and mixed marriages, in each of the twenty-seven years from 1855-1881, inclusive. By mixed marriages are meant those in which one of the parties was of American, and one of foreign nativity:—

Year.	American.		Foreign.		Mixed.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
1855	308.....	48.73.....	265.....	41.93.....	59.....	9.34
1856.....	352.	54.74.....	212.....	32.97.....	79.	12.29
1857.....	384.....	62.54.....	175.....	28.50.....	55.....	8.96
1858.....	233.....	50.54.....	314.....	38.21.....	63.....	11.25
1859.....	333.....	54.50.....	224.....	36.66.....	54.....	8.84
1860.....	336.....	54.19.....	225.....	36.39.....	59.....	9.52
1861.... . . .	304.....	55.56.....	182.....	33.27.....	61.....	11.15
1862.....	248.....	52.65.....	179.....	32.72.....	80	14.63
1863.....	342.....	56.07.....	192.....	31.47.....	76.....	12.46
1864.	427.....	57.78.....	211...	38.55.....	101.....	13.66
1865.....	417.....	56.82.....	202.....	38.49.....	90.....	12.69
1866.....	471.....	58.00.....	244.....	30.05.....	97	11.96
1867.....	485...	56.73	260.... . . .	31.46.....	101.....	11.81
1868.....	530.....	60.78.....	215.....	24.66.....	127.....	14.56
1869.....	530.... . . .	56.99.....	286	30.75.... . . .	114.....	12.26
1870.....	552.....	57.56.....	282.....	27.32.....	145.....	15.12
1871.....	523.....	55.46.....	278.....	29.48.....	142.....	15.06
1872.....	591.....	54.52.....	305.....	28.14.....	188.....	17.34
1873.....	652.....	56.69.....	317.....	27.57.....	181.....	15.74
1874.....	648.....	55.10.....	346.....	29.42.....	182.....	15.48
1875.....	596.....	54.31.....	320.....	29.66.....	173.....	16.06
1876.....	547.....	57.64.....	241.....	25.39.....	161.....	16.97
1877.....	545.....	57.19.....	233.....	24.45.....	175.....	18.36
1878.....	601.....	59.15.....	245.....	24.12.....	170.....	16.73
1879.....	643.....	60.97.....	217.....	20.96.....	201.....	18.77
1880.....	750.....	60.88.....	243.....	19.72.....	239.....	19.40
1881.....	675.....	56.16.....	265.....	22.04.....	262.....	21.80
27 years....	13,113.....	56.73.....	6,507.....	28.41.....	3,435.....	14.86

The proportion of American marriages was less in 1881 than it had been since 1875 ; the proportion of foreign marriages was larger than in any year since 1878 ; while the proportion of mixed marriages has steadily increased, and was larger in 1881 than ever before. The whole number of marriages for the twenty-seven years, as given in this table is 23,115 ; in Table VIII. it is 23,121 ; for an explanation of this discrepancy, see the Report for 1879, page 22.

Marriages of colored persons. The number of marriages among the colored people in 1881 was 61 ; 4 more than in 1880, and the

Largest number that has ever occurred in Providence in one year. The aggregate and average age of the parties in these 51 marriages were as follows:—

61 males.....	Aggregate age, 1,592 years.....	Average age, 26.10 years.
61 females.....	Aggregate age, 1,571 years.....	Average age, 25.76 years.

In the twenty-six years, 1856–1881 inclusive, the number of marriages of colored persons was 389; the aggregate and average age of the parties as follows:—

289 males.....	Aggregate age, 8,074 years.....	Average age, 27.76 years.
289 females.....	Aggregate age, 8,170 years.....	Average age, 28.28 years.

At the January session of the General Assembly in 1881 the law forbidding the intermarriage of colored and white persons was repealed.

In consequence of this we find on the records five marriages where one of the parties was white and the other colored. In one instance a white man married a colored woman; it was his second marriage, and her third. In the other four cases, the man was colored and the woman white; in no case was it the first marriage of both parties; but in one case it was the first marriage of the man and the second of the woman; in one the first marriage of the woman, and the second of the man. In one instance, where it was the second marriage of both parties; both had been divorced.

Age of persons married. Table X. gives the number and percentage of all the brides and grooms in each division of ages:—

1,303 males.....	Aggregate age, 35,283 years.....	Average age, 26.95 years.
1,302 females.....	Aggregate age, 30,801 years.....	Average age, 23.63 years.

The following figures give the same facts for each of the twenty-six years, 1856-1881 inclusive, and for the whole period:—

Years.	Males.			Females.		
	No.	Aggregate age.	Average age.	No.	Aggregate age.	Average age.
1856.....	639....	18,104 years....	28.33 years....	637....	15,559 years....	24.43 years.
1857.....	667....	16,753 years....	27.59 years....	644....	14,427 years....	22.84 years.
1858.....	560....	15,850 years....	28.29 years....	560....	13,702 years....	24.47 years.
1859.....	611....	16,989 years....	27.61 years....	611....	14,615 years....	23.92 years.
1860.....	690....	17,135 years....	27.59 years....	620....	14,667 years....	23.66 years.
1861.....	547....	15,448 years....	28.24 years....	547....	13,315 years....	23.33 years.
1862.....	547....	15,773 years....	28.65 years....	547....	13,565 years....	24.30 years.
1863.....	610....	17,308 years....	28.21 years....	610....	14,792 years....	24.24 years.
1864.....	739....	21,361 years....	28.90 years....	739....	18,075 years....	24.45 years.
1865.....	708....	20,839 years....	29.56 years....	708....	17,605 years....	24.85 years.
1866.....	812....	22,901 years....	28.06 years....	813....	20,036 years....	24.67 years.
1867.....	855....	24,443 years....	28.58 years....	856....	21,075 years....	24.63 years.
1868.....	873....	24,548 years....	28.15 years....	872....	21,440 years....	24.59 years.
1869.....	980....	26,546 years....	27.08 years....	950....	23,135 years....	24.35 years.
1870.....	959....	27,343 years....	28.51 years....	959....	23,773 years....	24.79 years.
1871.....	943....	26,743 years....	28.37 years....	943....	23,290 years....	24.70 years.
1872.....	1,064....	31,110 years....	29.20 years....	1,064....	24,835 years....	23.33 years.
1873.....	1,150....	32,879 years....	28.59 years....	1,150....	28,701 years....	24.96 years.
1874.....	1,176....	33,937 years....	28.85 years....	1,176....	29,510 years....	25.09 years.
1875.....	1,079....	30,848 years....	28.59 years....	1,079....	27,000 years....	25.11 years.
1876.....	1,110....	31,496 years....	28.37 years....	949....	23,540 years....	24.81 years.
1877.....	953....	27,904 years....	29.28 years....	953....	24,092 years....	25.28 years.
1878.....	1,016....	29,460 years....	28.99 years....	1,016....	25,796 years....	25.40 years.
1879.....	1,071....	31,016 years....	28.96 years....	1,071....	27,103 years....	25.33 years.
1880.....	1,223....	36,127 years....	29.52 years....	1,223....	31,015 years....	25.36 years.
1881.....	1,203....	35,223 years....	29.25 years....	1,203....	30,801 years....	25.59 years.
26 years.....	32,472....	643,634 years....	28.84 years....	32,403....	557,859 years....	24.83 years.

The number of males and females does not agree in this table, because in 1856 the ages of 17 males and 19 females, at the ages of 7 males and 8 females, were not given.

Number of the marriage.—Table XI. shows how many

riages in 1881 were the first, second, third, etc., marriages of the parties :—

TABLE XI. MARRIAGES, 1881. *Number of times married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.			Whole number of Grooms.
	First.	Second.	Thrd.	
First.....	878	86	4	968
Second.....	138	68	5	211
Thrd.....	11	10	2	23
Whole number of Brides.....	1,027	164	11	1,202

For 1,027 of the brides, or 85.44 per cent. of all, it was the first marriage; also for 968 of the grooms, or 80.53 per cent. There were 878 cases, or 73.04 per cent., in which it was the first marriage of both parties; this was 46 less than in 1880, and 1.96 per cent. less. In 68 cases, or 5.66 per cent. of all, it was the second marriage of both.

Denominational. The 1,202 marriages of 1881 were solemnized by the clergymen of different denominations, or by civil authority, as follows :—

Roman Catholic.....	387	Advent Christian.....	11
Calvinistic Baptist.....	142	Evangelical Advent.....	11
Free Baptist.....	43	Latter Day Saints.....	1
Methodist.....	191	Hebrew.....	2
Episcopalian.....	154	Bethel Pastor.....	1
Congregationalist.....	119	Lutheran.....	1
Unitarian.....	81	New Jerusalem.....	2
Universalist.....	45	Free Religious	1
Presbyterian.....	32	Denomination not specified.....	12
Christian.....	8	Justice of Supreme Court.....	1
Seamen's Mission.....	12	Total.....	1,202

Nativity and residence. In 103 marriages, or 8.57 per cent. of all, both parties were born in the city of Providence; in 112 others, or 9.32 per cent., the groom was born in this city; and in 205, or 17.05 per cent., the bride only was born here; this makes a total of 523 persons, or 21.76 per cent. of all the persons married, who were natives of the city.

There were 195 marriages, or 16.22 per cent. of all, in which both parties were non-resident, 121 in the first six months of the year, and 74 in the second six months; of these 195 marriages there were 130, or 66.66 per cent., in which both parties came from outside of the State; and in 102 of these, both parties were residents of Massachusetts; in 13 others, one of the parties was from that State.

Marriage and education. The number of persons married in Providence in 1881 was 2,404, divided as follows as to sex and nativity:—

Born in United States.....	Males, 794.....	Females, 818.....	Total, 1,612
Born in Foreign countries.....	Males, 408.....	Females, 384.....	Total, 792

Of these, the number and proportion, who signed the marriage certificate with a mark, were as follows:—

1881.	Whole Number Married.	Signed with a Mark.	In Each 100.
Males, born in United States.....	794.....	83.....	4.16
Females, born in United States.....	818.....	89.....	4.77
Total, born in United States.....	1,612.....	73.....	4.47
Males, born in foreign countries.....	408.....	74.....	18.14
Females, born in foreign countries.....	384.....	97.....	25.36
Total, born in foreign countries.....	792.....	73.....	25.36
Totals.....	2,404.....		

Of the 72 persons born in the United States, who signed the marriage certificate with a mark, 34 (16 males and 18 females) were natives of the city; and 27 (10 males and 17 females) were natives of other parts of the State.

	1881.	1880.	1879.
Rhode Island Hospital.....	53	40	34
Butler Hospital.....	18	8	12
Dexter Asylum	21	13	18
Home for Aged Men.....	0	1	1
Home for Aged Women.....	3	7	5
Children's Home.....	0	0	4
Children's Hospital and Nursery.....	0	6	7
R. C. Orphan Asylum.....	2	3	0
R. C. Convent.....	2	1	0
Reform School.....	1	0	0
Little Sisters' Home for the Poor.....	1	0	0
Friends' School.....	6	0	0
Shelter for Colored Children	3	0	0
Hotels.....	4	0	0
Police Station.....	1	1	0
Total.....	115	80	79

Aggregate and average age. Table XIII. shows the number of deaths and the aggregate and average age of the decedents, according to parentage, for each month and for the whole year 1881:—

TABLE XIII. DEATHS, 1881.

Aggregate and average age, by parentage.

MONTHS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January.....	93	3,562	38.30	97	3,345	34.50	190	6,907	36.35
February.....	86	3,072	35.72	78	2,319	29.73	164	5,391	32.87
March	88	3,315	37.67	85	2,748	32.33	173	6,063	35.05
April.....	96	3,460	36.04	104	3,249	31.22	200	6,709	33.54
May.....	94	2,815	29.95	101	3,324	32.91	195	6,139	31.48
June.....	71	2,956	41.63	91	2,414	26.52	162	5,370	33.15
July	81	1,649	20.35	115	2,328	20.24	196	3,977	20.29
August.....	102	2,492	24.47	122	3,033	24.86	224	5,525	24.66
September.....	59	1,743	29.54	101	2,345	23.22	160	4,088	25.55
October.....	76	2,614	34.39	86	1,908	22.19	162	4,522	27.91
November.....	72	2,840	39.44	81	2,266	27.97	153	5,106	33.37
December	81	3,608	44.54	85	2,903	34.15	166	6,511	39.22
Whole Year...	999	34,126	34.16	1,146	32,182	28.06	2,145	66,308	30.91

Both of these tables show great differences between the average age of the two classes. In the year 1881, (Table XIII.,) the highest average age of American decedents was 44.54 years in December; while the highest average age of the foreign class was 34.50 years in January; a difference of more than 10 years; the lowest average age of both classes was in July; for those of American parentage, 20.35 years; of foreign parentage, 20.24 years. The greatest difference between the two classes was 15.11 years in June; the least difference, 0.11 of one year in July. In the months of May and August the average age of the decedents of foreign parentage exceeded that of the American decedents, which very seldom happens.

In Table XIV. we find the highest average age of American decedents in the period of twenty-six years, 1856-1881 inclusive, was 36.04 years in December; of those of foreign parentage, the highest average age was 26.78 years in April; 9.26 years less than the highest average of the American class. Of both classes of decedents, the lowest average age was in July; of Americans, 25.66 years; of foreign decedents, 18.65 years. The average age of American decedents was less in the year 1881 than in the long period of years, only in the months of May, July, and August; in the other nine months it was greater. Of the decedents of foreign parentage, the average age was less in the single year than in the term of years, only in the month of October. For the year, the average age of American decedents was 1.49 years greater in 1881 than in the period of twenty-six years; of the decedents of foreign parentage, the average age for the year in 1881 was 4.74 years more than for the period of years.

The following table shows the difference between the two classes in each month, both for the single year 1881 and for the twenty-six years, 1856-1881. As already stated, in the months of May and August, 1881, the average age of American decedents was less than that of the foreign class; this is indicated by prefixing the sign — in the column of "difference" to the figures for those months. In the other months of 1881, and in every month in the long period of years, the average age of the American decedents was greater than that of the foreign.

Difference in Years between the Average Age of American and Foreign Decedents.

MONTHS.	1881.			26 years, 1856-1881.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January.....	38.30	34.50	3.80	34.85	25.86	8.49
February.....	35.72	29.73	5.99	33.86	23.95	9.91
March.....	37.67	32.33	5.34	35.30	25.17	10.13
April.....	36.04	31.22	4.82	34.25	26.78	7.47
May.....	29.95	32.91	-2.96	36.00	26.13	9.87
June.....	41.63	26.52	15.11	34.81	25.04	9.77
July.....	20.35	20.24	0.11	25.06	18.65	7.01
August.....	24.47	24.86	-0.39	27.43	19.06	8.40
September...	29.54	23.23	6.32	29.21	19.89	9.32
October.....	34.89	22.19	12.20	33.32	23.02	10.30
November...	39.44	27.97	11.47	33.56	24.96	8.60
December..	44.54	34.15	10.39	36.04	26.48	9.56
Whole Year..	34.16	28.08	6.08	32.67	23.34	9.33

In June, October, November and December, the difference between the two classes is greater in the single year than in the term of years ; in the other months it is the reverse.

In the year 1881 the largest number of deaths in one month among those of American parentage was 102, in August ; the smallest number, 59, in September. Of decedents of foreign parentage, the largest monthly total was 122, in August ; the smallest, 78, in February. In the period of twenty-six years, 1856-1881, the largest monthly aggregate for both classes was in August ; American, 1,749 ; foreign, 2,053 ; the smallest monthly aggregate for both classes, in June ; American, 1,178 ; foreign, 1,272. The percentages of all the deaths in the different quarters of the year, according to parentage, for the period of twenty-six years, 1856-1881, were as follows :—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American parentage.....	25.67.....	22.79.....	27.11.....	24.43
Foreign parentage.....	23.89	22.05.....	30.61.....	24.45

Table XV. gives the number of decedents, and the aggregate and average age, according to parentage, in each of the twenty-six years, 1856-1881, inclusive, and for the whole period:—

TABLE XV. DEATHS, 1856-1881.

Recapitulation. Aggregate and average age by parentage.

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.
1856.....	541	14,554	26.90	524	8,258	15.75	1,065	22,812	21.42
1857.....	523	16,314	31.19	402	8,007	19.91	925	24,321	26.29
1858.....	512	15,910	31.07	505	8,478	16.78	1,017	24,388	23.98
1859.....	479	14,983	31.30	420	8,640	20.57	899	23,633	26.28
1860.....	512	16,670	32.54	489	9,751	19.94	1,001	26,411	26.38
1861.....	538	16,327	30.34	513	9,605	18.72	1,051	25,932	24.67
1862.....	460	14,589	31.71	454	10,994	24.21	914	25,583	28.00
1863.....	507	19,398	32.49	617	13,757	22.29	1,214	33,155	27.31
1864.....	649	21,732	33.48	632	11,365	17.98	1,281	33,097	25.83
1865.....	631	19,628	31.10	580	11,991	20.67	1,211	31,619	26.11
1866.....	513	18,906	36.85	523	12,762	24.40	1,036	31,668	30.57
1867.....	528	19,258	36.47	432	12,149	28.12	960	31,407	32.72
1868.....	506	21,779	36.54	514	12,539	24.39	1,110	34,318	30.92
1869.....	627	20,490	32.68	629	14,776	23.49	1,256	35,266	28.08
1870.....	642	21,078	32.83	621	14,383	23.18	1,263	35,471	28.08
1871.....	643	22,725	35.34	611	17,005	27.83	1,254	39,730	31.68
1872.....	832	27,572	33.14	771	19,160	24.88	1,603	46,732	29.15
1873.....	862	28,675	33.27	857	19,061	22.24	1,719	47,736	27.77
1874.....	885	27,588	31.17	1,102	24,802	22.51	1,987	52,390	26.37
1875.....	914	30,419	33.28	1,001	24,302	24.28	1,915	54,721	28.57
1876.....	875	29,025	33.17	990	23,959	24.20	1,865	52,984	28.41
1877.....	908	28,353	31.22	1,030	25,410	24.67	1,938	53,763	27.74
1878.....	889	26,724	30.06	1,100	25,178	22.89	1,989	51,902	26.09
1879.....	941	29,896	31.77	1,085	28,446	26.22	2,026	58,342	28.80
1880.....	920	31,775	34.54	1,160	29,729	25.63	2,080	61,504	29.57
1881.....	999	34,126	34.16	1,146	32,182	28.08	2,145	66,308	30.91
26 years' totals.	18,016	588,494	32.67	18,708	436,099	23.34	36,724	1,025,193	27.92

The greatest difference between the average age of the two classes of decedents was 15.50 years in 1864; the least difference, 5.55 years, in 1879. The difference between them in the whole period was 9.33 years.

Number and percentage of decedents at different ages. Table XVI. gives the number and percentage, according to parentage, of decedents in different divisions of ages, in 1881; also for the twenty-six years, 1856-1881 inclusive:—

TABLE XVI. DEATHS, 1881.

Percentages at different ages, according to parentage.

AGES.	American Parentage, 1881.		Foreign Parentage, 1881.		Total American and Foreign, 1881.		26 years, 1856-1881.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
Under 1 year.....	206	20.62	279	18.21	415	19.35	7,124	19.40
1 and under 2.....	51	5.10	95	8.29	146	6.81	3,183	8.67
2 and under 5.....	81	8.11	85	7.42	166	7.74	3,427	9.33
Total under 5.....	338	33.83	359	33.95	727	33.90	13,734	37.40
5 and under 10.....	41	4.40	47	4.10	91	4.24	1,913	5.18
10 and under 15.....	14	1.40	22	1.92	36	1.68	749	2.04
15 and under 20.....	25	2.50	38	3.32	63	2.94	1,902	3.27
20 and under 30.....	67	6.71	170	14.84	237	11.05	3,716	10.12
30 and under 40.....	85	8.51	108	9.42	193	9.00	3,312	9.02
40 and under 50.....	67	6.71	91	7.94	158	7.38	2,784	7.58
50 and under 60.....	95	9.51	91	7.94	186	8.67	2,667	7.26
60 and under 70.....	87	8.71	88	7.68	175	8.16	2,629	7.16
70 and under 80.....	95	9.51	61	5.32	156	7.27	2,473	6.73
80 and under 90 ..	71	7.11	85	3.05	106	4.94	1,292	3.52
90 and over.....	11	1.10	6	.52	17	.79	253	.72
Total.....	999	100.00	1,146	100.00	2,145	100.00	36,724	100.00

The percentage of deaths of children of American parentage, under five years of age, was a little larger in 1881 than in 1880; the per-

DEATHS: PERCENTAGES UNDER FIVE YEARS. 43

centage of decedents between fifteen and twenty years of age was very much larger than in the previous year. This increase of deaths among younger persons reduced slightly the average age of all decedents of American parentage, as was shown by Table XIII. Of the decedents of foreign parentage, the percentage under five years old was 2.26 less than in 1880; also the percentages of decedents between five and twenty years of age were 4.29 less than in the previous year; while the percentage of foreign decedents in 1881, over 50 years of age, was 2.62 more than in 1880; this caused the average age of all decedents of foreign parentage to be 2.45 years more in 1881 than in 1880.

The following statement gives the percentage, according to parentage, of the decedents under five years old, in each of the twenty-six years, 1856-1881, inclusive:—

	American. Under five years.	Foreign. Under five years.	Total American & Foreign. Under five years.
1856.....	37.15 per cent.....	54.95 per cent.....	45.91 per cent.
1857.....	32.31 per cent.....	51.74 per cent.....	40.76 per cent.
1858.....	35.35 per cent.....	53.44 per cent.....	45.33 per cent.
1859.....	28.00 per cent.....	48.34 per cent.....	37.03 per cent.
1860.....	32.81 per cent.....	48.87 per cent.....	40.86 per cent.
1861.....	35.87 per cent.....	52.53 per cent.....	44.05 per cent.
1862.....	31.08 per cent.....	42.07 per cent.....	36.54 per cent.
1863.....	28.47 per cent.....	46.84 per cent.....	37.61 per cent.
1864.....	28.81 per cent.....	51.11 per cent.....	39.82 per cent.
1865.....	29.95 per cent.....	46.37 per cent.....	37.82 per cent.
1866.....	23.78 per cent.....	40.63 per cent.....	32.24 per cent.
1867.....	24.05 per cent.....	36.35 per cent.....	29.66 per cent.
1868.....	27.35 per cent.....	43.19 per cent.....	34.69 per cent.
1869.....	30.78 per cent.....	43.24 per cent.....	37.04 per cent.
1870.....	31.00 per cent.....	43.07 per cent.....	36.72 per cent.
1871.....	28.63 per cent.....	36.01 per cent.....	32.22 per cent.
1872.....	30.89 per cent.....	40.00 per cent.....	35.27 per cent.
1873.....	30.39 per cent.....	43.05 per cent.....	36.71 per cent.
1874.....	34.02 per cent.....	43.55 per cent.....	38.31 per cent.
1875.....	32.06 per cent.....	40.96 per cent.....	36.68 per cent.
1876.....	34.29 per cent.....	43.13 per cent.....	38.96 per cent.
1877.....	32.93 per cent.....	41.36 per cent.....	37.36 per cent.
1878.....	35.78 per cent.....	42.61 per cent.....	40.02 per cent.
1879.....	32.94 per cent.....	37.24 per cent.....	35.25 per cent.
1880.....	33.90 per cent.....	36.21 per cent.....	35.15 per cent.
1881.....	35.33 per cent.....	33.36 per cent.....	35.90 per cent.

In the forty-two years, 1840-1881 inclusive, there were 49,869 decedents in Providence, of whom 19,469 were less than five years old ; the number and percentage in each division of age under five years were as follows :—

Whole number of decedents.....		49,869
Under one year.....	9,629 or 19.31 per cent. of all.	
One and under two years... ..	4,966 or 9.96 per cent. of all.	
Two and under five years ..	4,874 or 9.77 per cent. of all.	
Total under five years.....		19,469 or 39.04 per cent. of all.

Table XVII. shows the number and percentage of decedents in different divisions of age, according to parentage, in the aggregate for the twenty-six years, 1856-1881 inclusive :—

TABLE XVII. DEATHS, 1856-1881.
Number and percentage at different ages, according to parentage.

AGES.	American Parentage 26 years, 1856-1881.		Foreign Parentage, 26 years, 1856-1881.		American & Foreign Parentage, 26 years, 1856-1881.	
	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.
Under 1 year.....	3,159	17.53	3,965	21.19	7,124	19.40
1 and under 2.....	1,169	6.49	2,014	10.77	3,183	8.67
2 and under 5.....	1,396	7.75	2,081	10.86	3,427	9.33
Total under 5.....	5,724	31.77	8,010	42.82	13,734	37.40
5 and under 10.....	981	5.17	972	5.20	1,903	5.18
10 and under 15.....	391	2.17	358	1.91	749	2.04
15 and under 20.....	609	3.38	593	3.17	1,202	3.27
20 and under 30.....	1,632	9.06	2,084	11.14	3,716	10.12
30 and under 40.....	1,559	8.65	1,753	9.37	3,312	9.02
40 and under 50.....	1,359	7.54	1,425	7.62	2,784	7.58
50 and under 60.....	1,466	8.14	1,201	6.42	2,667	7.26
60 and under 70.....	1,555	8.63	1,074	5.74	2,629	7.16
70 and under 80.....	1,655	9.19	818	4.37	2,473	6.73
80 and under 90.....	964	5.35	328	1.75	1,292	3.53
90 and over.....	171	.95	92	.49	263	.72
Totals.....	18,016	100.00	18,708	100.00	36,724	100.00

The percentage of foreign decedents under five years old in 1881, (Table XVI.,) was the smallest ever recorded, and was only 0.12 per cent. larger than the percentage of American decedents of that age, which was quite unusual. We may see from Table XVII. that generally the proportion of the foreign far exceeds that of the American; in the twenty-six years, 1856–1881, the number of decedents of foreign parentage under five years old was 2,286 more than that of American parentage; and the percentage 11.05 more. Beyond the age of five years, the percentages of American decedents increase with advancing age; the largest percentage being 9.19, between 70 and 80 years of age; while among the decedents of foreign parentage, the percentage between 20 and 30 years is much the largest; the proportion steadily decreasing after that age. The number of American decedents in the twenty-six years who lived beyond the age of 50 years was 5,811; the percentage, 32.26; of foreign decedents, the number was 3,513; the percentage, 18.77. These facts accord with the statements under Tables XIII. and XIV. that the average age of American decedents is greater than that of the foreign class; in the twenty-six years, 1856–1881, it was 9.33 years more.

From Tables XVI. and XVII. we find that the percentage of children of American parentage under five years old, who died in 1881, was 2.06 more than the proportion of that class in the twenty-six years, 1856–1881; the proportion of decedents of 60 years and over in the single year was 2.31 per cent. more than in the term of years. Of foreign decedents, the proportion under five years of age in 1881 was unusually small, and was 8.87 per cent. less than in the period of twenty-six years; the proportion in 1881 who lived beyond the age of 60 years was 4.22 per cent. more than in the long number of years.

Deaths by age and parentage in each month and quarter of the year. The comparative mortality of the two classes of decedents at different ages and seasons is shown in Table XVIII. It gives the number of deaths at each age and at all ages, according to parentage, in each month and quarter of the year 1881. The whole number of deaths during the year was 2,145; of American parentage, 999; of foreign parentage, 1,146; divided as follows in the different seasons:—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American Parentage.....	26.73.....	26.18	24.22.....	22.93
Foreign Parentage.....	22.69.....	25.83.....	29.49.....	31.90

TABLE XIX. DEATHS, 1881. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.										PERCENTAGE.			Ratio of deaths from each cause to whole number from known causes.					
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	3 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.		80 to 90.	90 and over.	American.	Foreign.	Total.
Accidents, (various).....	10	5	15	3	1	2	1	1	2	1	3	1	3	2	2	1	1	7	8	15	.70
" Burns and Scalds....	5	2	7	7	2	2	1	1	1	1	1	1	1	1	1	1	1	1	6	7	.33
" Drowning.....	7	1	8	8	1	2	1	2	1	1	2	1	2	1	1	1	1	3	5	8	.38
" Falls.....	3	5	8	8	1	1	1	1	1	1	1	1	1	1	1	1	1	4	4	8	.38
" Poisoning.....	3	2	5	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	4	5	.25
" Railroad.....	9	1	10	9	1	1	1	1	1	4	1	2	1	1	1	1	1	3	6	9	.42
Abscesses.....	2	5	7	3	1	1	1	1	1	1	1	1	2	2	1	1	1	5	2	7	.33
Anæmia.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.05
Aneurism of Aorta.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.05
Apoplexy.....	38	36	74	74	2	2	2	5	6	14	15	24	8	1	1	1	1	52	22	74	3.47
Asthma.....	2	1	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	.14
Atelectasis, Pulmonum....	2	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	.09
Bladder, Disease of.....	5	1	6	6	1	1	1	1	1	1	1	1	1	1	1	1	1	4	2	6	.28
Bones, Disease of.....	2	1	3	3	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	3	.14
Brain, Disease of.....	14	13	27	27	2	2	2	2	2	2	2	2	3	6	6	4	4	19	8	27	1.27
" Congestion of.....	4	4	8	8	3	1	2	1	1	1	1	1	1	1	1	1	1	4	4	8	.38
" Inflammation of.....	25	28	53	53	11	12	12	4	3	2	5	3	2	2	1	1	1	19	34	53	2.49

TABLE XIX.—CONTINUED. DEATHS, 1881. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.											PARENTAGE.			Ratio of deaths from each cause to whole num-ber from known causes.
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 & over.	
				53	28	6	4	1	1	1	3	3	1	6	6	3	3	
Bronchitis.....	33	20	53	28	6	4	1	1	1	1	3	3	1	6	6	3	3	2.49
Cancer (various).....	11	17	28	.....	.....	.....	.....	.....	1	.....	2	2	8	7	6	1	.....	1.31
“ of Breast.....	.....	10	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	4	.....	1	1	.47
“ of Stomach.....	7	4	11	.....	.....	.....	.....	.....	.....	.....	2	1	3	3	2	.....	.....	.52
“ of Uterus.....	.....	16	16	.....	.....	.....	.....	.....	.....	.....	1	2	8	3	2	.....	.....	.75
Carbuncle.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.05
Cellulitis Pelvic.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.05
Child-birth.....	.....	13	13	.....	.....	.....	.....	.....	.....	6	7	.....	.....	.....	.....	.....	.....	.61
“ Puerperal Convuls.....	.....	2	2	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.09
“ Puerperal Fever.....	.....	14	14	.....	.....	.....	.....	.....	.....	8	4	2	.....	.....	.....	.....	.....	.66
Cholera Infantum.....	53	44	102	81	15	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.79
Cholera Morbus.....	2	2	4	.....	.....	1	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.19
Colic.....	2	3	5	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.23
Consumption.....	157	187	344	4	4	2	2	2	7	31	75	34	33	16	9	2	.....	16.15
Convulsions.....	20	17	37	26	5	3	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1.74
Croup.....	24	25	49	9	13	23	4	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.30
Debility.....	8	9	17	13	.....	.....	.....	.....	1	.....	.....	.....	1	1	1	.....	.....	.80

TABLE XIX.—CONTINUED. DEATHS, 1881. Disease, sex, age, parentage, and percentage from known causes.

DISEASE, SEX, AGE, PARENTAGE.																			53		
CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.												PARENTAGE.			Ratio of deaths from each cause to whole num. ber from known causes.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	80 and over.	American.		Foreign.	Total.
Pleurisy.....	2	4	6	...	...	...	...	...	...	...	1	...	1	2	...	2	...	3	3	6	.28
Pneumonia.....	77	83	160	22	18	10	1	2	1	7	14	14	26	23	14	8	1	80	80	160	7.51
“ Congestion of Lungs.	8	6	14	4	2	3	...	...	...	...	...	...	2	1	1	1	...	8	6	14	.66
Prostate, Disease of.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	.05
Pupura Hemorrhagica.. .	1	2	3	1	...	...	...	...	...	...	...	1	...	1	...	...	...	1	2	3	.14
Pustule, Malignant.....	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	...	1	.05
Pyæmia.....	2	1	3	...	...	...	...	1	...	2	...	...	...	...	...	...	...	...	3	3	.14
Quinsy.....	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	.05
Rectum, Disease of.....	1	2	3	...	...	...	...	...	...	...	1	1	1	...	...	...	...	1	2	3	.14
Rheumatism.....	8	4	12	...	...	...	1	...	...	1	...	6	...	1	2	1	...	5	7	12	.56
Scarlatina.....	27	18	45	2	4	24	14	1	...	...	...	...	...	...	...	...	...	17	28	45	2.11
Scrofula.....	...	4	4	3	...	...	1	...	...	...	...	...	...	...	...	...	...	3	1	4	.19
Skin, Disease of...	...	3	3	1	...	...	...	...	...	...	...	...	1	...	1	...	...	2	1	3	.14
Spine, Disease of.....	1	5	6	...	...	...	1	...	...	...	...	2	1	...	2	...	...	5	1	6	.28
Stomach, Disease of.....	2	2	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	2	4	.19
“ Inflammation of.....	6	13	19	2	...	...	1	...	...	5	2	1	2	4	1	1	...	4	15	19	.89
Stricture of Urethra.....	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	1	.05

TABLE XIX.—CONTINUED. DEATHS, 1881. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.			DIVISIONAL PERIODS OF LIFE.												PARENTAGE.			Ratio of deaths from each cause to whole num. of known causes.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 & over.	American.		Foreign.	Total.
Suicide.....	12	2	14	.....	.....	.....	.....	.....	1	2	6	2	1	1	1	.....	.....	8	6	14	.06
Surgical Operation.....	1	2	3	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	.....	.....	3	.....	3	.14
Syphilis.....	.....	2	2	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	2	2	.09
“ Congenital.....	.....	1	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.05
Tabes Mesenterica,.....	3	4	7	3	.....	1	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	5	2	7	.33
Teething.....	3	6	9	7	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	6	9	.42
Tetanus and Tris. Nascent.....	2	1	3	1	.....	.....	.....	.....	1	.....	.....	.....	.....	1	.....	.....	.....	1	2	3	.14
Throat, Disease of.....	2	.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	1	1	2	.09
Tuberculosis.....	12	13	25	1	3	.....	1	1	5	4	6	3	1	.....	.....	.....	.....	16	9	25	1.17
Tumor.....	.....	6	6	.....	.....	.....	.....	.....	.....	.....	1	2	2	1	.....	.....	.....	6	.....	6	.28
Unknown.....	10	5	15	10	.....	.....	1	1	.....	1	.....	.....	.....	2	.....	.....	.....	9	6	15	.....
Totals.....	1,047	1,098	2,145	415	146	166	91	36	63	237	193	158	186	175	156	106	17	999	1,146	2,145	100.00

TABLE XX.—CONTINUED. DEATHS, 1881. Season and Disease.

CAUSES OF DEATH.	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.	October.	November.	December.	Fourth Quarter.	Whole Year.
Insanity.....	1	1	1	3	3	3	1	7	2	1	1	4	1	1	.....	2	16
Intemperance.....	1	.....	1	2	3	.....	1	4	1	.....	2	2	1	3	1	2	14
Kidneys, Diseases of.....	4	4	7	15	.....	4	7	11	2	3	2	7	5	4	6	15	48
Liver, Diseases of.....	1	.....	5	6	1	3	3	7	1	2	4	7	1	.....	2	3	23
Marasmus.....	2	.....	3	5	4	3	3	10	4	6	2	12	4	1	2	7	34
Measles.....	.....	1	.....	1	4	4	6	14	8	.....	1	9	.....	1	.....	1	25
Meningitis, Cerebro Spinal.....	.....	1	1	2	.....	1	4	5	1	.....	1	2	1	.....	1	2	11
Old Age and Gangrene Senile.....	6	4	4	14	6	4	7	17	9	6	5	20	5	7	10	32	73
Paralysis.....	3	2	1	6	2	4	1	7	2	.....	3	5	.....	4	5	9	27
Peritonitis.....	.....	.....	3	3	2	2	1	5	1	2	3	6	2	.....	4	6	20
Pneumonia and Congestion of Lungs.....	27	28	15	70	24	13	11	48	2	6	2	10	15	15	16	46	174
Rheumatism.....	1	4	2	7	.....	.....	.....	.....	.....	.....	2	2	.....	3	.....	3	13
Scarlatina.....	5	8	4	17	7	8	4	19	4	1	.....	5	1	2	1	4	45
Stomach, Diseases of.....	3	1	6	10	3	1	1	5	1	1	2	4	3	1	.....	4	23
Suicide.....	1	2	2	5	1	.....	4	5	1	1	1	3	1	.....	.....	1	14
Teething.....	1	.....	1	2	.....	1	1	2	1	2	.....	3	.....	1	1	2	9
Tuberculosis.....	1	4	1	6	4	6	2	12	1	1	.....	2	1	4	.....	5	25
Unknown.....	1	.....	2	3	.....	1	.....	1	3	.....	4	7	3	.....	2	4	15
Other Causes as given.....	16	12	19	47	20	18	15	53	13	24	12	49	17	15	16	42	197
Totals.....	190	164	173	627	200	195	162	557	191	224	100	540	162	153	161	421	2,145

**Males, 33; females, 20; total, 53; or 2.49 per cent. of all.
American parentage, 27; foreign parentage, 26.**

For the twenty-six years, 1856-1881 :—

**Males, 234; females, 278; total, 512; or 1.42 per cent. of all.
American parentage, 231; foreign parentage, 281.**

Cancers. The number of deaths from cancers in 1881 was 65, or 3.05 per cent. of all; in 1880 the number was 68, or 3.30 per cent. of all. In Table XIX. 10 are given as cancer of the breast; 8 more than in 1880; 11, cancer of the stomach; 3 more than in 1880; and 16 as cancer of the uterus; the same number as in the preceding year. Of the 28 under the heading "various" there were two of which the location was not specified; the others were: 11 of the liver; 3 of the face; 3 of the pancreas; 2 of the bowels; and 1 each of the eye, throat, colon, pylorus, kidney, bladder, and foot.

The statistics of sex and parentage are as follows :—

**Males, 18; females, 47; total, 65; or 3.05 per cent. of all.
American parentage, 37; foreign parentage, 28.**

For the twenty-six years, 1856-1881 :—

**Males, 248; females, 651; total, 894; or 2.47 per cent. of all.
American parentage, 562; foreign parentage, 332.**

Of the 894 decedents in twenty-six years, 72.82 per cent. were females; and 62.86 per cent. were of American parentage.

Child-birth. There were 29 deaths from child-birth in 1881, including 2 from puerperal convulsions, and 14 from puerperal fever. This was 3 more deaths, and 0.10 per cent. more than in the previous year. The 29 deaths were 1.36 per cent. of all from known causes, and 1.04 per cent. of the 2,780 mothers who bore children during the year; the decedents were 13 of American, and 16 of foreign parentage. In the twenty-six years, 1856-1881, the number of deaths from this cause was 434; 185 of American, and 249 of foreign parentage. This was 1.20 per cent. of all deaths from known causes in that time, and 0.85 per cent. of the 51,222 mothers bearing children during the same period.

Cholera Infantum. There were 102 deaths in 1881 from this disease; 2 more than in the previous year, and more than in any year

since 1877; the percentage, however, was not quite so large as in 1880. The following statistics are given:—

Males, 58; females, 44; total, 102; or 4.79 per cent. of all.

American parentage, 35; foreign parentage, 67.

The following are the statistics of sex and parentage for each of the twenty-six years, 1856–1881, and for the whole period:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	33.....	22.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	23.....	24.....	50.....	5.56
1858.....	37.....	22.....	18.....	36.....	49.....	4.92
1859.....	14.....	19.....	13.....	20.....	33.....	3.80
1860.....	35.....	33.....	26.....	42.....	68.....	7.09
1861.....	29.....	32.....	25.....	36.....	61.....	6.02
1862.....	25.....	19.....	17.....	27.....	44.....	4.98
1863.....	36.....	30.....	19.....	47.....	66.....	5.56
1864.....	29.....	29.....	18.....	40.....	58.....	4.63
1865.....	20.....	30.....	13.....	37.....	50.....	4.31
1866.....	30.....	17.....	15.....	32.....	47.....	4.64
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	38.....	32.....	22.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.24
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.00
1872.....	72.....	79.....	58.....	93.....	151.....	9.56
1873.....	42.....	50.....	39.....	53.....	92.....	5.41
1874.....	72.....	62.....	44.....	90.....	134.....	6.83
1875.....	62.....	74.....	50.....	86.....	136.....	7.18
1876.....	66.....	56.....	43.....	79.....	122.....	6.59
1877.....	70.....	52.....	43.....	79.....	122.....	6.31
1878.....	35.....	35.....	26.....	44.....	70.....	3.55
1879.....	30.....	29.....	23.....	31.....	59.....	2.92
1880.....	42.....	58.....	41.....	39.....	100.....	4.84
1881.....	58.....	44.....	35.....	67.....	102.....	4.79
26 years.....	1,031.....	979.....	743.....	1,267.....	2,010.....	5.56

Cholera Morbus. The number of deaths reported under this head is always small. The number in 1881 was 4; the same as in the preceding year.

Males, 2; females, 2; total, 4; or 0.19 per cent. of all.

American parentage, 1; foreign parentage, 3.

For the twenty-six years, 1856–1881, the whole number was 120, or 0.33 per cent of all.

Consumption. The number of deaths from this cause always far exceeds that from any other, and has increased the past few years. The number in 1880 was 322, and the percentage 15.60; in 1881 the number was 344, and the percentage 16.15. The decedents were divided as follows as to sex and parentage :—

American parentage.....	males, 49.....	females, 67.....	total, 116
Foreign parentage.....	..males, 108.....	females, 120.....	total, 228
Totals.....	males, 157.....	females, 187.....	total, 344

For the twenty-six years, 1856–1881, the statistics are :—

Whole number of deaths from known causes, 36,159. Deaths from consumption, 6,034; or 16.69 per cent. of all. Annual average, 232.			
American parentage.....	males, 1,218.....	...females, 1,573.....	total, 2,791
Foreign parentage.....	males, 1,529.....	...females, 1,714.....	total, 3,243
Total.....	males, 2,747.....	females, 3,287.....	total, 6,034
Males, 45.53 per cent.....females, 54.47 per cent.			
American parentage, 46.25 per cent....foreign parentage, 53.75 per cent.			

Having estimated the population of the city at 107,500, in the middle of the year 1881, we find the death rate from consumption to be one in 312 of the inhabitants, or 3.20 in each thousand persons. The average annual rate for the fifteen years, 1840–1854, was one in 209.9; for the twenty-seven years, 1855–1881 inclusive, it was one in 317.1.

The figures already given show that, for the whole period, considerably more than half of all the decedents from consumption were of foreign parentage. This has been true since 1874; but in every year previous to that date, with one exception, there were more decedents from consumption of American than of foreign parentage. The following figures show the percentage of each class of decedents from consumption for each of the last eight years :—

Deaths from					
	Consumption.	American.	Per cent.	Foreign.	Per cent.
1874.....	270.....	106.....	39.26.....	164.....	60.74
1875.....	299.....	114.....	38.13.....	185.....	61.87
1876	284.....	120.....	42.25.....	164.. .	57.75
1877.....	294.....	116.....	44.22.....	178.....	55.78
1878.....	305.....	107.....	35.08.....	198.....	64.92
1879.....	293.....	116.....	39.59.....	177.....	60.41
1880.....	322.....	111.....	34.47.....	211....	65.53
1881.....	344.....	116.....	33.72.....	228.....	66.28
Total.....	2,411.....	906.....	37.38.....	1,505.....	62.62

In 1873, there were 117 decedents of American and 114 of foreign parentage, from consumption ; in 1874, the decedents of foreign parentage from consumption were 164, an increase of 50, and in no year since that date has the number of decedents of foreign parentage from consumption been less than 164. On the other hand, the number of decedents from consumption, of American parentage, has not increased, and has but slightly changed for many years, notwithstanding the increase of population. There were 120 decedents from consumption, of American parentage, in 1857 ; 123 in 1860 ; 122 in 1870 ; 117 in 1872 and 1873 ; 116 in 1877 ; and 116 in 1881. The sudden increase of decedents from consumption, of foreign parentage, in 1874, was mostly owing to the annexation in that year of the Tenth Ward, with a large foreign population.

The following shows the number and percentage, according to parentage, of the decedents from consumption in Providence, in periods of five years each, from 1856 to 1880 inclusive, and also for the year 1881:—

	American Parentage.		Foreign Parentage.		Deaths from Consumption.
	Number.	Per cent.	Number.	Per cent.	
1856 to 1860.....	525.....	56.45.....	405.....	43.55.....	930
1861 to 1865.....	495.....	50.77.....	480.....	49.23.....	975
1866 to 1870.....	532.....	50.57.....	520	49.43.....	1,052
1871 to 1875.....	553.....	44.78.....	682.....	55.22.....	1,235
1876 to 1880.....	570.....	38.05	928.....	61.95.....	1,498
1881.....	116.....	33.72	228	66.28.....	344
26 years' total.....	2,791.....	46.25.....	3,243.....	53.75.....	6,034

In 1856, the living population of the city was 59 of American and 41 of foreign parentage in each 100; the decedents from consumption, in the same year, were 58 of American and 42 of foreign parentage in each 100. *In 1881*, the living population was 46 American and 54 foreign in each 100; but the decedents from consumption were 33.4 American and 66.6 foreign in each 100.

But the true rate of mortality from consumption, in the two classes of the population, is best shown by a direct comparison of the number of deaths with the actual population. At four different periods in Providence we have had censuses showing the parentage of the population; and at the same periods we have had full and accurate reports of the decedents from consumption, by parentage. Taking these periods and comparing the decedents from consumption, by parentage, with the population by parentage, we find the following results for the city of Providence:—

POPULATION OF AMERICAN PARENTAGE.

1856—One death from consumption in 268.2.
 1865—One death from consumption in 310.1.
 1875—One death from consumption in 415.0.
 1880—One death from consumption in 435.2.

POPULATION OF FOREIGN PARENTAGE.

1856—One death from consumption in 262.6.
 1865—One death from consumption in 248.8.
 1875—One death from consumption in 238.4.
 1880—One death from consumption in 268.0.

TOTAL POPULATION.

1856—One death from consumption in 266.
 1865—One death from consumption in 280.
 1875—One death from consumption in 386.
 1880—One death from consumption in 326.

These figures show several most important facts:—

1. In the population of American parentage in Providence there has been a very remarkable change in the mortality from consumption, during the last twenty-five years. In 1856 there was, in this

DEATHS FROM CONSUMPTION IN PROVIDENCE, TWENTY-SIX YEARS, 1856-1881.

Sex; parentage; season; age; whole number, and percentage from known causes.

The statistics of the five diseases for the twenty-six years, 1856–1881, are :—

Number of deaths, 3,962; annual average, 153.

Males, 1,978; females, 1,984; total, 3,962; or 10.96 per cent. of all.

American parentage, 1,609; foreign parentage, 2,353.

The proportions between the two classes of decedents in 1881 were as follows: 145.9 decedents of foreign parentage to each 100 of American parentage; or 59.34 of foreign and 40.66 of American parentage in each 100 decedents. Of decedents from *all* causes during the year the proportions were 114.7 of foreign to each 100 of American parentage; or 53.43 of foreign, and 46.57 of American parentage in each hundred.

Of the 2,803 children born in 1881, 51.30 per cent. were of foreign parentage, and 48.70 per cent. of American parentage; the fact that there are so many more children of foreign than of American parentage, and the additional fact that these diarrhoeal diseases prevail mostly among young children, make the disproportion between the two classes of decedents less striking; of the 177 decedents from these causes in 1881, 145, or 81.92 per cent., were children less than two years old.

The following table shows the number of deaths from each of these causes, with the number from the whole class of causes, and their percentage of all from known causes, reported in Providence during the period from 1840 to 1854, inclusive; during each year, from 1855 to 1881, inclusive, and in the aggregate during the whole period of 42 years, 1840 to 1881, inclusive :—

1st quarter.....	22	3d quarter.....	30
2d quarter.....	28	4th quarter.....	36

Of the 116 decedents, 105, or 90.52 per cent., were less than ten years old. The statistics of sex and parentage are :—

Males, 65; females, 51; total, 116; or 5.45 per cent. of all.

American parentage, 59; foreign parentage, 57.

During the four years' epidemic of diphtheria, 1876–1879, inclusive, the decedents of foreign parentage were greatly in excess of those of American parentage, the proportion being 56.39 of foreign, and 43.61 of American parentage in each 100; previous to the epidemic the reverse of this was true, the figures being 58.68 of American, and 41.32 of foreign parentage in each 100 decedents. In 1880 and 1881 the American class is again in excess; in 1880, 57.38 per cent. of American, and 42.62 of foreign parentage in each 100 decedents; in 1881, 50.86 of American, and 49.14 of foreign parentage in each 100.

The first cases of diphtheria in Providence were reported in 1858; for the twenty-four years, 1858–1881, inclusive, the statistics are as follows :—

Deaths from known causes in 24 years, 34,231.

From diphtheria, 1,270; annual average, 52.

Males, 640; females, 630; total, 1,270; or 3.71 per cent. of all.

American parentage, 621; foreign parentage, 649.

The number of deaths in 1881 was more than twice the annual average.

In the following table are the statistics as to sex, parentage, season and locality, for each of the twenty-four years, 1858–1881, and for the whole period :—

The number of deaths in each year, and the aggregate and average age of the decedents were as follows :—

Number of deaths ; aggregate and average age.

YEARS.	Number of Deaths.	Aggregate Age.			Average Age.		
		Years.	Mos.	Days.	Years.	Mos.	Days.
1856.....	30	788	5	3	26	3	11
1857.....	30	781	.....	13	26	.....	12
1858.....	24	829	5	23	34	6	22
1859.....	37	1,252	7	18	33	10	9
1860.....	20	706	6	19	35	3	23
1861.....	23	723	3	7	31	4	25
1862.....	21	540	9	11	25	9	.....
1863.....	47	1,456	11	28	30	11	29
1864.....	42	1,360	.....	27	32	3	18
1865.....	82	2,262	4	14	27	7	2
1866.....	46	1,420	2	17	30	10	15
1867.....	33	654	4	25	19	9	28
1868.....	24	692	7	3	28	10	9
1869.....	35	1,214	4	13	34	8	11
1870.....	52	1,421	1	7	27	3	23
1871.....	53	1,610	11	15	30	4	22
1872.....	68	2,161	3	19	31	9	12
1873.....	61	1,673	6	10	27	5	1
1874.....	60	1,553	11	24	25	10	24
1875.....	71	1,938	5	19	27	3	19
1876.....	33	923	8	17	27	11	16
1877.....	43	1,243	11	23	28	11	5
1878.....	47	1,151	9	27	24	6	2
1879.....	40	1,206	9	20	30	2	1
1880.....	58	1,505	2	4	28	4	24
1881.....	38	1,156	.....	18	30	5	2
26 years.....	1,113	32,227	.....	29	28	11	14

Heart, Diseases of. The number of deaths from diseases of the heart in 1881 was 121, including 8 specified as hypertrophy ; this was 17 more than in 1880, and the per cent. 0.64 more. The statistics of sex and parentage are :—

Males, 57; females, 64; total, 121; or 5.68 per cent. of all.

American parentage, 65; foreign parentage, 56.

In the twenty-six years, 1856–1881, the number of deaths from diseases of the heart was 1,703, or 4.71 per cent. of all; annual average, 65.

The particulars for each year are given in the following table :—

Males, 2; female, 1; total, 3; or 0.14 per cent. of all.

American parentage, 1; foreign parentage, 2.

Hooping Cough. The number of deaths from this cause in 1881 was 40, or 1.88 per cent. of all; in 1880 there were only 11 deaths, and the rate 0.53 per cent. The decedents were 17 under one year old; 13 between one and two; 6 between two and five; and 4 between five and ten.

Males, 20; females, 20; total, 40; or 1.88 per cent. of all.

American parentage, 24; foreign parentage, 16.

For the twenty-six years, 1856-1881 :—

Whole number, 437; annual average, 17.

Males, 190; females, 247; total, 437; or 1.21 per cent. of all.

American parentage, 189; foreign parentage, 248.

Hydrocephalus. This was reported as the cause of 32 deaths in 1881, or 3 more than in 1880; all the decedents were less than ten years old. The statistics of sex and parentage are as follows :—

Males, 16; females, 16; total, 32; or 1.50 per cent. of all.

American parentage, 23; foreign parentage, 9.

For the twenty-six years, 1856-1881 :—

Whole number, 794; annual average, 30.

Males, 430; females, 364; total, 794; or 2.20 per cent. of all.

American parentage, 405; foreign parentage, 389.

Insanity. The number of deaths from insanity in 1881 was 16; twice as many as in 1880.

Males, 5; females, 11; total, 16; or 0.75 per cent. of all.

American parentage, 12; foreign parentage, 4.

For the twenty-six years, 1856-1881, the figures are :—

Whole number, 272; annual average, 10.

Males, 127; females, 145; total, 272; or 0.75 per cent. of all.

American parentage, 194; foreign parentage, 78.

Of the 272 decedents, 46.69 per cent. are males; 53.31 per cent. females; 71.32 per cent. of American, and 28.68 per cent. of foreign parentage.

Malformations. The number of deaths reported from malformations in 1881 was 15; four more than in 1880. Three cases were "spina bifida"; 7 malformation of the heart; 1 of the anus; 1 of the rectum; and in three cases it was not specified.

Males, 8; females, 7; total, 15; or 0.70 per cent. of all.

American parentage, 4; foreign parentage, 11.

For the twenty-six years, 1856–1881, the statistics are:—

Males, 133; females, 78; total, 211; or 0.58 per cent. of all.

American parentage, 130; foreign parentage, 81.

Of the 211 decedents, 61.61 per cent. were of American parentage.

Marasmus. There were 34 decedents from this cause in 1881, of whom 27, or 79.41 per cent., were less than a year old.

Males, 20; females, 14; total, 34; or 1.60 per cent. of all.

American parentage, 17; foreign parentage, 17.

For the twenty-six years, 1856–1881, the statistics are:—

Whole number, 687; annual average, 26.

Males, 368; females, 319; total, 687; or 19.00 per cent. of all.

American parentage, 346; foreign parentage, 341.

Measles. This disease, which has appeared in Providence very irregularly, prevailed to some extent in 1881, chiefly in the second quarter of the year; there were 25 deaths from it during the year, of which the particulars are as follows:—

Males, 11; females, 14; total, 25; or 1.17 per cent. of all.

American parentage, 10; foreign parentage, 15.

The following table shows the number of deaths from measles in each year since 1856:—

1856..... 1	1863.....16	1870.....16	1877..... 2
1857..... 2	1864..... 7	1871..... 1	1878..... 50
1858.....40	1865..... 7	1872..... 7	1879..... 0
1859..... 0	1866..... 9	1873.....28	1880..... 3
1860..... 0	1867..... 0	1874..... 4	1881..... 25
1861..... 6	1868..... 4	1875..... 0	—
1862..... 1	1869..... 6	1876..... 0	Total, 26 yrs..235

The statistics for the twenty-six years, 1856–1881, are:—

Of the 123 decedents, 66, or 57.72 per cent., were less than 15 years old.

Murder. There were 3 deaths in 1881 under this head; 2 more than in 1880. All the decedents were males; 1 of American, and 2 of foreign parentage; all were between 20 and 30 years of age.

Old Age. The number of deaths for which this cause was assigned was 73, the same as in 1880; fourteen of the decedents were more than 90 years old; also the same number as in the previous year:—

Males, 27; females, 46; total, 73; or 3.43 per cent. of all.

American parentage, 39; foreign parentage, 34.

For the twenty-six years, 1856–1881, the statistics are:—

Whole number, 1,400; annual average, 54.

Males, 474; females, 926; total, 1,400; or 3.87 per cent. of all.

American parentage, 850; foreign parentage, 550.

Of the 1,400 decedents, 66.14 per cent. were females; and 60.71 per cent. were of American parentage.

Only a small proportion of those dying at an advanced age are reported under this head. Thus in 1881 there were 279 decedents who were more than 70 years old, 177 of American, and 102 of foreign parentage; this was 13.10 per cent. of all decedents from known causes during the year.

In the twenty-six years, 1856–1881, the number of decedents of more than 70 years of age was 4,028; 2,790 of American, and 1,238 of foreign parentage; 11.14 per cent. of all from known causes.

Paralysis. This is generally a symptom of disease rather than a distinct disease itself, and in many cases the cause of it might be given; but many deaths are reported every year under the head of “paralysis”. In 1881 the number was 27, which was 3 less than in 1880.

Males, 9; females, 18; total, 27; or 1.27 per cent. of all

American parentage, 12; foreign parentage, 15.

For the twenty-six years, 1856–1881, the figures are:—

Whole number, 465; annual average, 18.

Males, 239; females, 226; total, 465; or 1.29 per cent. of all.

American parentage, 339; foreign parentage, 126.

Pneumonia. The number of deaths from pneumonia in 1881 was 160; ten less than in 1880; from congestion of the lungs, 14; or 9 less than in 1880. They occurred in the different seasons of the year as follows:—

1st quarter.....	70	3d. quarter.....	10
2d quarter.....	48	4th quarter.....	46

Of the 174 decedents, 60, or 34.18 per cent., were less than ten years old; and 76, or 43.68 per cent., were over fifty years of age.

Males, 85; females, 89; total, 174; or 8.17 per cent. of all.

American parentage, 88; foreign parentage, 86.

The general statistics for the twenty-six years, 1856–1881, are as follows:—

Whole number, 2,683; annual average, 103.

Males, 1,371; females, 1,312; total, 2,683; or 7.42 per cent. of all.

American parentage, 1,341; foreign parentage, 1,342.

The following table gives the particulars as to the deaths from pneumonia for each of the twenty-six years, 1856–1881, giving the sex, parentage, season, age, whole number, and percentage of all deaths from known causes:—

PNEUMONIA AND CONGESTION OF LUNGS IN PROVIDENCE, TWENTY-SIX YEARS, 1856-1881.—*CONTINUED.*
Sex; parentage; season; age; whole number, and percentage from known causes.

12

NOTES ON THE CAUSES OF DEATH.

89

PNEUMONIA AND CONG. OF LUNGS.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	Total
AGE:																											
Under 1 year.....	18	18	23	13	13	29	10	17	13	19	12	11	27	18	19	19	36	47	31	41	43	21	33	33	32	26	622
1 and under 2...	16	8	15	8	8	5	3	10	4	9	8	5	5	10	12	7	7	12	8	20	13	12	14	16	15	20	269
2 " " 5...	5	5	11	6	4	3	6	8	7	5	7	6	7	5	14	6	2	13	7	15	14	10	13	12	9	13	213
5 " " 10...	4	1	3	1	4	1	2	1	4	2	2	4	3	5	3	1	3	2	5	3	...	2	2	7	8	1	72
10 " " 15...	...	1	1	1	2	...	...	...	2	...	...	2	1	...	...	1	...	7	2	1	...	...	1	...	2	2	34
15 " " 20...	2	1	...	...	2	...	...	...	2	...	...	...	1	...	...	1	...	1	3	4	1	...	4	...	6	1	42
20 " " 30...	5	3	4	5	3	6	6	3	4	...	6	4	6	5	5	2	7	5	9	13	12	6	4	6	5	7	151
30 " " 40...	8	8	4	5	3	7	10	6	1	8	7	5	5	6	2	8	10	8	8	17	7	7	7	9	14	14	187
40 " " 50...	6	7	5	2	6	7	6	7	4	7	9	6	11	6	2	5	14	6	13	17	19	10	12	17	22	14	239
50 " " 60...	7	5	6	3	5	5	6	8	3	10	9	6	4	16	7	9	12	5	13	15	14	9	8	20	26	28	258
60 " " 70...	2	2	8	5	7	5	7	6	5	8	9	9	11	11	8	13	8	7	18	23	23	6	18	15	26	23	280
70 " " 80...	2	3	8	6	1	2	5	9	7	6	8	5	8	7	4	10	7	9	11	23	14	7	20	17	23	15	284
80 " " 90...	...	...	2	2	1	3	...	3	4	1	4	5	8	1	2	4	6	1	3	3	...	4	4	5	4	9	74
90 and over. ....	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	2	...	1	...	...	1	1	8
First quarter.....	30	21	36	14	21	31	21	33	27	24	32	33	28	31	32	34	49	50	80	90	45	39	56	74	62	70	1,013
Second quarter...	23	13	23	17	18	24	15	21	12	18	25	19	23	18	22	17	29	30	54	44	43	22	30	36	74	42	726
Third quarter....	8	6	8	5	7	5	9	6	11	3	8	6	13	12	7	14	6	16	14	18	22	10	17	11	14	10	266
Fourth quarter...	14	23	18	20	13	13	16	22	15	29	16	16	10	23	17	20	33	27	33	45	53	27	37	38	43	46	678
First 4 months....	38	24	51	18	28	40	25	41	31	34	43	48	40	39	48	43	62	61	57	107	64	49	72	92	93	94	1,340
Second 4 months..	21	12	19	15	16	18	16	16	16	11	19	9	20	19	12	15	18	28	35	40	37	16	26	23	55	32	564
Third 4 months..	17	26	20	23	15	15	20	25	18	29	19	11	32	30	18	27	37	34	39	50	62	33	42	44	45	48	779

Rheumatism. There were twelve deaths ascribed to this cause in 1881.

Males, 8; females, 4; total, 12; or 0.56 per cent. of all.

American parentage, 5; foreign parentage, 7.

Scarlatina. For two years, 1879 and 1880, scarlatina prevailed as a severe epidemic, causing 252 deaths in 1879, and 243 in 1880; in the latter part of the year, however, it began to decline, and the number of deaths in 1881 was 45, or less than in any year since 1877; 36 of these deaths, or 80 per cent., were in the first half of the year. The decedents were 2 under one year old; 4 between one and two years; 24 between two and five; 14 between five and ten; and 1 between ten and fifteen.

Males, 27; females, 18; total, 45; or 2.11 per cent. of all.

American parentage, 17; foreign parentage, 28.

For the twenty-six years, 1856–1881, the general statistics are:—

Whole number, 2,047; annual average, 79.

Males, 1,005; females, 1,042; total, 2,047; or 5.66 per cent. of all

American parentage, 839; foreign parentage, 1,208.

The following table gives the particulars of sex, parentage, ~~sex~~ ~~parentage~~ and locality, for each of the twenty-seven years, 1855–1881:—

DEATHS FROM SCARLATINA IN PROVIDENCE, TWENTY-SEVEN YEARS, 1855-1881.

NOTES ON THE CAUSES OF DEATH.

91

SCARLATINA.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	Total.
Whole number	42	144	82	72	45	17	28	14	33	141	108	3	10	50	188	85	21	19	132	268	93	85	12	57	252	243	45	2,089
Percentage....	4.37	14.40	3.55	7.23	6.18	1.77	2.76	1.58	2.78	11.21	9.08	0.29	1.08	4.60	11.12	2.80	1.69	1.20	7.76	13.66	4.91	1.87	0.62	2.89	12.49	11.77	2.11	5.63
SEX:																												
Males.....	22	75	13	34	24	7	12	6	13	68	55	1	3	26	61	15	13	8	63	140	40	16	4	25	135	122	27	1,027
Females.....	20	69	19	38	21	10	16	8	20	73	53	2	7	24	77	20	8	11	70	128	53	19	8	32	117	121	18	1,063
PARENTAGE:																												
American....	19	74	18	38	31	11	14	3	16	50	49	2	7	16	52	13	9	8	58	77	53	14	3	17	101	88	17	859
Foreign.....	23	70	14	34	14	6	14	11	17	91	59	1	3	34	86	22	12	11	74	191	40	21	9	40	151	155	28	1,231
SEASON:																												
January.....	21	8	8	8	8	8	4	1	1	1	20	1	1	1	35	13	2	....	8	29	19	4	3	2	13	50	5	263
February.....	21	8	1	8	9	....	....	....	5	4	22	....	2	4	17	5	7	3	6	31	19	6	....	2	12	35	8	228
March.....	33	8	4	3	8	3	1	2	5	8	13	....	....	2	19	5	4	2	5	21	10	6	....	2	9	29	4	192
April.....	5	24	3	16	3	....	1	1	4	6	13	1	....	1	11	4	1	3	6	27	9	....	2	1	9	32	7	190
May.....	4	14	4	10	4	....	4	4	6	14	8	....	1	4	8	....	2	6	10	21	10	....	1	2	10	29	8	194
June.....	2	13	2	7	2	3	4	1	5	8	16	1	1	3	4	3	1	....	11	41	5	5	....	5	4	15	4	164
July.....	1	4	4	7	1	1	6	1	1	8	9	....	....	2	4	1	....	....	10	16	8	....	....	11	5	13	4	113
August.....	2	3	2	1	1	1	2	....	....	6	4	....	1	4	11	....	....	....	12	7	4	....	....	5	10	12	1	84
September....	2	2	....	....	4	....	....	....	1	8	....	....	....	4	10	1	....	1	17	12	2	1	....	2	19	7	....	95
October.....	2	1	....	3	4	1	1	1	....	11	2	....	1	4	7	....	1	1	9	19	2	7	....	15	36	8	1	137
November....	13	3	1	5	....	....	1	1	....	35	1	....	1	7	4	....	1	1	15	16	7	1	4	2	54	7	2	182
December....	12	6	2	4	6	1	2	2	5	32	....	....	2	14	8	3	1	2	23	28	3	1	2	8	71	5	1	244
LOCALITY:																												
Ward	6	26	15	5	6	4	12	3	8	11	8	....	4	18	34	1	1	5	36	41	13	4	....	5	33	11	3	313
"	1	7	3	5	1	2	2	2	1	10	3	....	2	....	9	....	2	....	2	3	5	....	....	1	7	7	3	78
"	16	27	2	4	12	1	5	2	6	17	36	1	1	....	35	1	4	....	12	39	10	....	....	3	38	16	....	297
"	3	10	1	7	3	....	1	2	8	10	3	....	....	1	5	1	1	....	2	15	1	1	....	....	12	7	4	98
"	1	23	4	13	5	3	2	3	2	20	10	....	1	3	19	4	3	4	8	24	8	1	3	....	24	21	5	236
"	8	24	6	23	10	6	5	2	3	30	26	2	1	4	10	5	2	....	9	9	13	2	....	3	10	12	3	228
"	7	22	1	15	8	2	1	....	5	43	22	....	1	2	8	7	2	1	11	27	4	2	....	7	15	16	5	235
"	....	....	....	....	....	....	....	....	....	....	....	....	....	5	6	9	3	4	13	18	15	7	....	25	38	21	3	151
"	....	....	....	....	....	....	....	....	....	....	....	....	....	8	12	7	3	4	39	34	9	14	3	54	21	38	4	224
"	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	58	15	4	....	6	84	94	15	229

Scrofula. There were 4 deaths from this cause in 1881; 3 more than in 1880, and 0.19 per cent. of all; all were females; 3 of American, and 1 of foreign parentage.

Skin, Diseases of. There were 3 deaths from diseases of the skin in 1881; this was 2 more than in 1880; all the decedents were females; 2 of American and 1 of foreign parentage.

Small-Pox. The city continues to escape this disease, which has prevailed extensively in many other large cities; and there has been no death from it since 1875. There was one case sent to the hospital at Field's Point in the summer of 1881; the patient recovered, and no other cases arose from it.

For the twenty-six years, 1856-1881, the statistics are:—

Males, 58; females, 21; total, 79; or 0.22 per cent. of all.
American parentage, 48; foreign parentage, 31.

The particulars for each year are as follows:—

SMALL-POX.

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	0.87
1857.....	.....	.....	.....	.....	.....	.....
1858.....	.....	.....	.....	.....	.....	.....
1859....	2.....	3.....	5.....	.....	5.....	0.57
1860.....	4.....	1.....	3.....	2.....	5.....	0.52
1861.....	.....	.....	.....	.....	.....	.....
1862.....	2.....	2.....	1.....	3.....	4.....	0.45
1863....	.....	.....	.....	.....	.....	.....
1864.....	7.....	.....	3.....	4.....	7.....	0.56
1865.....	9.....	2.....	8.....	3.....	11.....	0.98
1866.....	.....	.....	.....	.....	.....	.....
1867.....	1.....	.....	1.....	.....	1.....	0.11
1868.....	1.....	.....	1.....	.....	1.....	0.09
1869.....	3.....	.....	3.....	.....	3.....	0.24
1870.....	.....	2.....	.....	2.....	2.....	0.16
1871..	.....	3.....	1.....	2.....	3.....	0.24
1872.....	9.....	4.....	9.....	4.....	13.....	0.63
1873.....	12.....	2.....	8.....	6.....	14.....	0.69
1874.....	.....	.....	.....	.....	.....	.....
1875.....	1.....	.....	.....	1.....	1.....	0.05
1876.....	.....	.....	.....	.....	.....	.....
1877.....	.....	.....	.....	.....	.....	.....
1878.....	.....	.....	.....	.....	.....	.....
1879.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....
1881.....	.....	.....	.....	.....	.....	.....
26 yrs'. total..	58.....	21.....	48.....	31.....	79.....	0.22

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Spine, Diseases of. The number of deaths reported from diseases of the spine, during 1881, was 6 ; twice as many as in the preceding year, and 0.28 per cent. of all.

Male, 1 ; females, 5.

American parentage, 5 ; foreign parentage, 1.

Stomach, Diseases of. There were 23 deaths reported in 1881 under this head, of which 19 were called "inflammation" ; the whole number in 1880 was only 10. In 1881 :—

Males, 8 ; females, 15 ; total, 23 ; or 1.08 per cent. of all.

American parentage, 6 ; foreign parentage, 17.

Suicide. There were 14 cases of suicide in 1881, the largest number that has ever been recorded in the twenty-six years, 1856–1881. The manner of each was as follows : "cutting the throat", 3 ; hanging, 2 ; drowning, 1 ; shooting, 1 ; by opium, 1 ; by laudanum, 2 ; by morphine, 2 ; by arsenic, 1 ; and 1 jumped from a third story window, while intoxicated.

Males, 12 ; females, 2 ; total, 14 ; or 0.66 per cent. of all.

American parentage, 8 ; foreign parentage, 6.

The statistics for the twenty-six years, 1856–1881, are :—

Males, 115 ; females, 46 ; total, 161 ; or 0.45 per cent. of all.

American parentage, 89 ; foreign parentage, 72.

Teething. The number of deaths from this cause in 1881 was 9, or 7 less than in 1880.

Males, 3 ; females, 6 ; total, 9 ; or 0.42 per cent. of all.

American parentage, 3 ; foreign parentage, 6.

Tuberculosis. This was reported in 1881 as the cause of 25 deaths ; 16 more than in 1880.

Males, 12 ; females, 13 ; total, 25 ; or 1.17 per cent. of all.

American parentage, 16 ; foreign parentage, 9.

If all the diseases of a similar nature were included under this

STILL-BORN.

The statistics in regard to the still-born children in Providence in 1881 were as follows :—

Number. The number of still-born in Providence in 1881 was 161 ; 40 more than in 1880, and 5.74 per cent. of the 2,803 children born during the year, or one in 17.41.

Sex. There were 101 males ; 25 more than in 1880 ; and 60 females, or 15 more than in the preceding year.

Color. White, 147 ; colored, 14.

<i>Locality.</i>	Ward I.....	25	Ward VII.....	18
	II.....	4	VIII.....	15
	III.....	13	IX.....	26
	IV.....	11	X.....	28
	V.....	12		—
	VI.....	9	Whole city.....	161

Season. January, 10 ; February, 18 ; March, 9 ; April, 19 ; May, 15 ; June, 11 ; July, 10 ; August, 13 ; September, 13 ; October, 12 ; November, 16 ; December, 15.

The number and percentage in each quarter of the year were :—

Number.		Per cent.	Number.		Per cent.
1st quarter.....	37.....	23.93	3d quarter.....	36.....	22.36
2d quarter.....	45.....	27.95	4th quarter.....	43.....	26.71

Parentage. The following table shows the parentage of the still-born children in 1881 ; the first letter indicating the birth-place of the father ; the second, that of the mother :—

For the twenty-six years, 1856-1881, the statistics on this subject are as follows :—

Whole number of children born, 51,852.

Number of still-born, 3,009, or 5.80 per cent. of all ; or one in 17.23. Of these 3,009 still-born children, 2,815 were white, and 194 colored ; 1,742, or 57.89 per cent., were males ; and 1,267, or 42.11 per cent., females.

Reckoned according to the fathers' birth-places, 1,309, or 43.50 per cent., were American ; 1,285, or 42.71 per cent., were Irish ; and 408, or 13.56 per cent., were children of other foreign fathers ; of 7, the parentage was not stated.

The following statement shows the whole number of children borne by *mothers of different nativities*, during the twenty-six years, 1856-1881, inclusive ; also the number of still-born children to mothers of each class ; and the percentage of the latter to the whole number of children :—

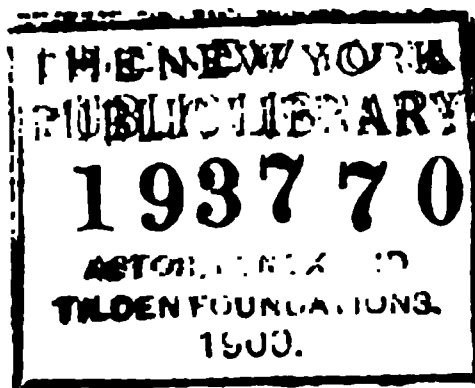
	Whole number of children.	Still-born children.	Percentage of still-born.	Or 1 in
American mothers.....	24,463.....	1,307.....	5.34.....	18.72
Irish mothers.....	19,853.....	1,360.....	6.85.....	14.60
English, Scotch or Welsh mothers...	3,851.....	188.....	4.88.....	20.48
German mothers.....	1,043.....	80.....	2.88.....	34.43
British American mothers.....	1,754.....	72.....	4.10.....	24.36
Other foreign mothers.....	888.....	52.....	5.86....	17.08
Total.....	51,852.....	3,009.....	5.80.....	17.23

BIRTHS AND DEATHS BY PARENTAGE.

The following recapitulatory table shows the number of births and deaths, by parentage, in Providence, in each of the twenty-six years, from 1856–1881 inclusive. In the three years, 1863, 1864, and 1865, there was an excess of deaths over the births, in the population of American parentage :—

TABLE XXII.

YEAR.	AMERICAN PARENTAGE.			FOREIGN PARENTAGE.		
	Deaths.	Births.	Excess of Births.	Deaths.	Births.	Excess of Births.
1856.....	541	759	218	524	916	392
1857.....	523	701	178	402	987	585
1858.....	512	771	259	505	953	448
1859.....	479	659	180	420	934	514
1860.....	512	731	219	489	917	428
1861.....	538	740	202	513	985	472
1862.....	460	663	203	454	866	412
1863.....	597	528	—69	617	779	162
1864.....	649	579	—70	632	765	133
1865.....	631	546	—85	580	752	172
1866.....	513	726	213	523	906	383
1867.....	528	725	197	482	899	467
1868.....	506	682	286	514	984	470
1869.....	627	926	299	629	893	264
1870.....	642	890	248	621	999	378
1871.....	643	980	337	611	980	369
1872.....	832	1,035	203	771	1,171	400
1873.....	862	1,003	141	857	1,125	268
1874.....	885	1,217	332	1,102	1,563	461
1875.....	914	1,180	266	1,001	1,484	483
1876....	875	1,169	294	990	1,462	472
1877.....	908	1,238	330	1,030	1,305	275
1878.....	889	1,215	326	1,100	1,412	312
1879.....	941	1,228	287	1,065	1,294	209
1880.....	920	1,252	332	1,160	1,375	215
1881.....	999	1,365	366	1,146	1,438	292
26 years.....	18,016	23,708	5,692	18,708	28,144	9,436



THE CITY OF PROVIDENCE.

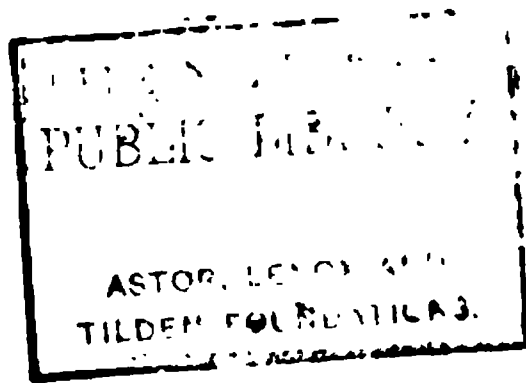
JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved April 23, 1883.]

RESOLVED. That the twenty-eighth annual report of the City Registrar for the year ending December 31, 1882, be received, and that six hundred copies thereof, and of the communication accompanying the same, be printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy: witness,

HENRY V. A. JOSLIN, CITY CLERK.



INTRODUCTION.

CITY REGISTRAR'S OFFICE, }
PROVIDENCE, April 16, 1883. }

To the Honorable the City Council :

The statistics of births, marriages, and deaths in the city of Providence, during the year ending December 31, 1882, are contained in the enclosed twenty-eighth annual report upon this subject.

During the year 1882, the number of births in the city was 2,788, or 15 less than in 1881; the number of persons married was 2,344, or 60 less; and of deaths 2,242, or 97 more.

The population of the city, in 1880, was 104,857, and in January of the present year, it was 116,755. According to the rate of increase between these two periods, the population of the city, in the middle of the year 1882, was 114,377. We find, then, the proportion of births, marriages and deaths to population, in 1882, to be :

Births, 2,788, or one in 41.02; or 24.38 in each 1,000.

Persons married, 2,344, or one in 48.80; or 20.49 in each 1,000.

Deaths, 2,242, or one in 51.02; or 19.60 in each 1,000.

The report herewith presented contains the usual tables of previous reports, with additional tables illustrating the characteristics of some important diseases, especially of typhoid fever. It also contains the statistics of the population of the city as obtained by the census of the first of January, 1883.

EDWIN M. SNOW, M. D.,

Superintendent of Health and City Registrar.

CONTENTS.

	PAGE.
BIRTHS.....	1-20
Wards, months, sex and color, (Table I.).....	1
Births in connection with season, sex and locality, (Table II.).....	2-3
Proportion of the sexes born at different seasons.....	4
Number and proportion of the sexes, 20 years.....	5
Color:—Number and proportion of the sexes, 27 years.....	5-6
Color:—Births, marriages and deaths in 27 years.....	7
Parentage of children born in each ward, (Table III.).....	8
Number and percentage of American and of foreign children, 27 years.....	9-10
Parentage:—Mixture of different nations, (Table IV.).....	11
Number of 1st, 2d, etc., children in 1882, and 1855-1881, (Table V.).....	12
Average number of children to each mother, 28 years, (Table VI.).....	13
Number of the child, with age of the mother, (Table VII.).....	14-16
Plurality-births, statistics for 1882.....	16-17
Plurality-births, 28 years' summary.....	17-20
MARRIAGES.....	20-32
Marriages at different seasons, 28 years, (Table VIII.).....	21-22
Birthplaces of parties married in 1882, (Table IX.).....	23
Bride and groom born in same country, etc.....	23-24
Proportions of American, foreign, and mixed marriages, 28 years.....	25
Marriages of colored persons.....	26
Age of persons married in 1882, (Table X.).....	27
Average age of persons married, 27 years, (Table).....	28
Number of times married, (Table XI.) Denominational.....	29
Nativity and residence.....	30-31
Marriage and education; certificate signed with a mark.....	31-32
DEATHS.....	33-108
Deaths to population in 1882; proportion in each class.....	33
Deaths by sex, condition, color, nativity, parentage, and locality, (Table XII.).....	34
Deaths by season; numbers and proportions; recapitulation.....	35-36
Sex, condition, color, nativity, parentage, and locality of decedents, 1882.....	37-39
Aggregate and average age by parentage, 1882, (Table XIII.).....	40
Aggregate and average age by parentage, 27 years, (Tables XIV. and XV.).....	41-45
Difference between average age of American and foreign decedents, (Table).....	43
Percentages at different ages by parentage, 1882, (Table XVI.).....	46
Percentages under five years of age by parentage, 27 years (Table).....	47
Percentages at different ages by parentage, 27 years, (Table XVII.).....	48-49
Deaths by age and parentage in each month and quarter, 1882, (Table XVIII.).....	49-51
Causes of death, sex, age, parentage and percentages, (Table XIX.).....	52-58
Causes of death in connection with season, (Table XX.).....	59-60
NOTES ON THE CAUSES OF DEATH IN 1882.....	61-103
Cholera infantum; decedents by sex and parentage, 27 years, (Table).....	66
Consumption; sex and parentage.....	67
Consumption; change in rate of mortality.....	68
Consumption in Providence, 27 years, (Table).....	69-70
Croup; statistics for 1882, and 27 years, (Table).....	71-72
Diarrhœa and dysentery; recapitulation for 42 years.....	73-75
Diphtheria; statistics for 1882, and 25 years, (Table).....	75-77
Fever, Typhoid, 1882, and 27 years, (Table).....	78-83
Fever, Typhoid, Epidemic in 1882.....	83-84
Heart, diseases of; decedents by sex and parentage, 27 years, (Table).....	85
Meningitis, Cerebro spinal; deaths at each age, 19 years.....	89-90
Pneumonia; statistics for 1882 and 27 years, (Table).....	93-94
Scarlatina; statistics for 1882 and 28 years, (Table).....	96-97
Small-pox; recapitulatory table, 27 years.....	98
Unknown causes.....	100
Still born children in 1882.....	101-102
Still-born children, 1856-1882.....	103
GENERAL SUMMARY:—	
Births, Marriages and Deaths; numbers and proportions, 28 years, (Table XXI.).....	104
Births and deaths by parentage; excess of births, 27 years, (Table XXII.).....	105
Census of Providence, 1880, sex, nativity, parentage, and color.....	106
Census of Providence, 1883, houses, tenements, families, sex and total population.....	106

CITY REGISTRAR'S REPORT.

1882.

BIRTHS.

There were 2,788 children born in the city of Providence, during the year 1882.

In the following table we find the number of children born in each ward of the city in each month and quarter of the year; also, for the whole city, the number of each sex, and the number and sex of the colored children born in each month and quarter:—

TABLE I. BIRTHS, 1882. *Wards, Months, Sex and Color.*

[illegible]

The number of births, 2,788, was 15 less than in the year 1881 ; but with that exception was larger than in any previous year. In the first ward the number of births in 1882 was 17 more than in 1881 ; in the fourth ward, 11 more ; in the seventh ward, 13 more ; in the ninth ward, 49 more ; in the remaining six wards the number of births was 105 less than in the previous year. A census of the city was taken in January, 1883 ; an estimate, based on the figures of this census, gives a population of 114,377 for the middle of the year 1882. The ratio of births, therefore, for the year 1882, was one in 41.02 of the population, or 24.38 births to each thousand of the inhabitants.

Season. In the first four months of the year 1882, and in December, the number of births was larger than in the previous year ; in each of the remaining months the number in 1882 was less than in 1881. In the first quarter of 1882 the number was 61 more than in the corresponding season of 1881 ; in the second quarter it was 37 less ; in the third quarter, 43 less ; in the fourth quarter, 4 more. In the first half of the year 1882 the number of births was 1,388, or 24 more than in the first half of 1881 ; in the last half of the year the number was 1,400, or 39 less than in 1881.

The following figures show the aggregate number of births for each quarter for the twenty-six years, 1856-1881, inclusive ; the number for each quarter of 1882, and the corresponding numbers for the twenty-seven years, 1856-1882 :—

	Jan. March.	April. June.	First 6 mos.	July. Sept.	Oct. Dec.	Second 6 mos.	Whole Year.
Twenty-six years.....	12,584	12,918	25,502	12,905	13,445	26,350	51,852
1882.....	695	693	1,388	663	737	1,400	2,788
	————	————	————	————	————	————	————
Twenty-seven years..	13,279	13,611	26,890	13,568	14,182	27,750	54,810

For the period of twenty-eight years, 1855-1882, inclusive, the aggregate monthly totals of births are as follows ; the daily average, also, is given for each month and for the whole period :—

Births in	January.	February.	March.	April.	May.	June.
28 years, 1855-1882.....	4,419.....	4,314.....	4,903.....	4,381.....	4,645.....	4,948
Daily average.....	5.09.....	5.45.....	5.65.....	5.22.....	5.35.....	5.89
Births in	July.	August.	Sept.	Oct.	Nov.	Dec.
28 years, 1855-1882.....	4,009.....	4,711.....	4,863.....	4,691.....	4,763.....	4,908
Daily average.....	5.31.....	5.43.....	5.55.....	5.62.....	5.67.....	5.75
Whole number of births in 28 years, 56,240; daily average, 5.50.						

These figures have for a number of years shown the same relative position of the months as to the number of births, namely, that the largest aggregate number of births in any month is in December; the smallest, in February; the highest daily average is in June; the lowest, in January. There were six months in which the daily average was above the general average of the whole period, namely: March, June, September, October, November and December; in the other months the daily average was less than the general average.

Sex and Locality. The number of children of each sex, born in each ward of the city, in each quarter of the year, and in the whole year, is shown by the following table:—

TABLE II. BIRTHS, 1882. *Wards, Sex, and Season.*

Proportions of the Sexes. In the months of March, May, August and November, there were more female than male children born; in the first, fourth and seventh wards, the number of female children exceeded that of the male children; but of the whole number, 2,788. 1,438 were males and 1,350, females; 88 more males than females; a proportion of 106.5 boys to 100 girls; or 51.58 boys, 48.42 girls, in each 100 children born.

The number and proportion of each sex in each quarter of the year, were as follows:—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March....	357	and 338,	or 105.6	to 100,	or 51.37	to 48.63 in each 100 born.
April-June.....	354	and 339,	or 104.4	to 100,	or 51.08	to 48.92 in each 100 born.
July-Sept.....	351	and 309,	or 114.6	to 100,	or 53.39	to 46.61 in each 100 born.
Oct.-Dec.....	373	and 364,	or 102.5	to 100,	or 50.61	to 49.39 in each 100 born.
Whole year...	1,438	and 1,350,	or 106.5	to 100,	or 51.58	to 48.42 in each 100 born.

The proportion of males is much larger in the third quarter than in either of the others; the excess of male children in 1882 was rather less than in the two preceding years. The following figures show the same statistics for the twenty-seven years 1856-1882. The whole number of children born in this time was 54,640:—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	6,879	and 6,400,	or 107.5	to 100,	or 51.80	and 48.20 in each 100 born.
April-June.....	7,003	and 6,608,	or 106.0	to 100,	or 51.45	and 48.55 in each 100 born.
July-Sept.....	6,909	and 6,659,	or 103.8	to 100,	or 50.92	and 49.08 in each 100 born.
Oct.-Dec.....	7,322	and 6,860,	or 106.7	to 100,	or 51.63	and 48.37 in each 100 born.
Whole period.	28,113	and 26,527,	or 106.0	to 100,	or 51.45	and 48.55 in each 100 born.

In the twenty-nine years 1854-1882 inclusive, the number of children born in the city was 57,609; 29,631 males and 27,978 females; the number and proportion in each year were as follows:—

	Males.	Females.	Males.	Females.	Males.	Females.
1854.....	711 and	658;	or 108.0 to 100;	or 51.91 and 48.09 in each 100 born.		
1855.....	807 and	798;	or 101.7 to 100;	or 50.41 and 49.56 in each 100 born.		
1856.....	891 and	784;	or 113.6 to 100;	or 53.19 and 46.81 in each 100 born.		
1857.....	872 and	816;	or 106.8 to 100;	or 51.66 and 48.34 in each 100 born.		
1858.....	890 and	834;	or 106.7 to 100;	or 51.62 and 48.38 in each 100 born.		
1859.....	825 and	768;	or 107.4 to 100;	or 51.79 and 48.21 in each 100 born.		
1860.....	809 and	839;	or 96.4 to 100;	or 49.09 and 50.91 in each 100 born.		
1861.....	936 and	789;	or 118.6 to 100;	or 54.26 and 45.74 in each 100 born.		
1862.....	791 and	738;	or 107.2 to 100;	or 51.73 and 48.27 in each 100 born.		
1863.....	689 and	618;	or 111.4 to 100;	or 52.71 and 47.29 in each 100 born.		
1864.....	663 and	681;	or 97.3 to 100;	or 49.33 and 50.67 in each 100 born.		
1865.....	691 and	607;	or 113.8 to 100;	or 53.24 and 46.76 in each 100 born.		
1866.....	849 and	783;	or 108.4 to 100;	or 52.02 and 47.98 in each 100 born.		
1867.....	830 and	794;	or 104.5 to 100;	or 51.11 and 48.89 in each 100 born.		
1868.....	944 and	922;	or 102.4 to 100;	or 50.59 and 49.41 in each 100 born.		
1869.....	945 and	874;	or 108.1 to 100;	or 51.95 and 48.05 in each 100 born.		
1870.....	967 and	722;	or 104.8 to 100;	or 51.19 and 48.81 in each 100 born.		
1871.....	956 and	1,004;	or 95.6 to 100;	or 48.78 and 51.22 in each 100 born.		
1872.....	1,079 and	1,127;	or 95.7 to 100;	or 48.91 and 51.09 in each 100 born.		
1873.....	1,109 and	1,019;	or 108.8 to 100;	or 52.11 and 47.89 in each 100 born.		
1874.....	1,408 and	1,372;	or 102.6 to 100;	or 50.45 and 49.55 in each 100 born.		
1875.....	1,390 and	1,274;	or 109.1 to 100;	or 52.18 and 47.82 in each 100 born.		
1876.....	1,359 and	1,272;	or 106.8 to 100;	or 51.65 and 48.35 in each 100 born.		
1877.....	1,302 and	1,241;	or 104.9 to 100;	or 51.20 and 48.80 in each 100 born.		
1878.....	1,358 and	1,269;	or 107.0 to 100;	or 51.69 and 48.31 in each 100 born.		
1879.....	1,297 and	1,225;	or 105.9 to 100;	or 51.43 and 48.57 in each 100 born.		
1880.....	1,363 and	1,264;	or 107.8 to 100;	or 51.88 and 48.12 in each 100 born.		
1881.....	1,462 and	1,341;	or 109.0 to 100;	or 52.16 and 47.84 in each 100 born.		
1882.....	1,438 and	1,350;	or 106.5 to 100;	or 51.58 and 48.42 in each 100 born.		
29 years..	29,631 and	27,978;	or 105.9 to 100;	or 51.43 and 48.57 in each 100 born.		

Color. There were 96 colored children born in Providence in 1882; this was 25 less than in the preceding year. Estimating the colored inhabitants to bear the same proportion to the total population as at the time of the census in 1880, the number of colored persons in the city in 1882 was 3,976. The ratio of births in this class, therefore, was one in 41.42 of the population, or 24.14 births to each thousand of the colored population. The ratio of all births during the year to the total population was one in 41.02, or 24.38 in each

BIRTHS: COLOR.

7

The births, marriages and deaths among the colored population of Providence in the twenty-seven years, 1856-1882, inclusive, were as follows :—

Twenty-six years, 1856-1881.....	2,015 births.....	989 marriages.....	2,102 deaths.
1882.....	96 births.....	53 marriages.....	93 deaths.
Twenty-seven years, 1856-1882....	2,111 births.....	1,042 marriages.....	2,197 deaths.

The proportion of deaths to births among this class in 1882 was 99.0 to 100 ; for the whole period the proportion was 104.1 deaths to 100 births.

The number of births, marriages and deaths among the colored people of Providence, in each year since 1856, is as follows :—

1856.....	50 births.....	14 marriages.....	48 deaths.
1857.....	31 births.....	20 marriages.....	51 deaths.
1858.....	51 births.....	17 marriages.....	50 deaths.
1859.....	36 births.....	9 marriages.....	52 deaths.
1860.....	54 births.....	15 marriages.....	66 deaths.
1861.....	51 births.....	15 marriages.....	63 deaths.
1862.....	61 births.....	12 marriages.....	34 deaths.
1863.....	32 births.....	35 marriages.....	53 deaths.
1864.....	38 births.....	12 marriages.....	73 deaths.
1865.....	46 births.....	23 marriages.....	68 deaths.
1866.....	67 births.....	36 marriages.....	80 deaths.
1867.....	75 births.....	35 marriages.....	58 deaths.
1868.....	90 births.....	58 marriages.....	67 deaths.
1869.....	85 births.....	60 marriages.....	82 deaths.
1870.....	104 births.....	52 marriages.....	83 deaths.
1871.....	91 births.....	46 marriages.....	76 deaths.
1872.....	99 births.....	54 marriages.....	142 deaths.
1873.....	112 births.....	49 marriages.....	110 deaths.
1874.....	109 births.....	60 marriages.....	104 deaths.
1875.....	101 births.....	48 marriages.....	111 deaths.
1876.....	108 births.....	38 marriages.....	110 deaths.
1877.....	104 births.....	46 marriages.....	105 deaths.
1878.....	104 births.....	54 marriages.....	106 deaths.
1879.....	104 births.....	43 marriages.....	112 deaths.
1880.....	91 births.....	57 marriages.....	96 deaths.
1881.....	121 births.....	61 marriages.....	107 deaths.
1882.....	96 births.....	53 marriages.....	93 deaths.
27 years	2,111 births ..	1,042 marriages.....	2,197 deaths.

PARENTAGE.

The statistics as to the parentage of the children born in the city in 1882 are given in the following tables, and show how many different nationalities are represented in our population and the relative proportions of the different classes.

Table III shows the number of children, according to parentage, born in each ward, and the number and proportion of each class in the whole city. Where the parents were of different foreign countries the parentage is reckoned according to the birth-place of the father:—

TABLE III. BIRTHS, 1882. *Wards and Parentage.*

PARENTAGE.	WARDS.										Whole City.	In each 100 born there were
	I.	II.	III.	IV.	V.	VI.	VII.	VIII.	IX.	X.		
American.....	155	42	90	66	66	83	120	153	231	140	1,146	41.10
Irish.....	81	2	65	17	57	9	55	56	92	179	612	21.99
English, Scotch and Welsh....	21	1	13	10	19	5	10	26	32	106	243	8.72
German.....	8	1	5	2	12	2	3	1	6	15	55	1.97
British American.....	24	2	11	4	18	1	7	10	16	23	116	4.16
Portuguese.....			30								30	1.06
Other Foreign.....	17			18	3	3	11		20	11	83	2.96
Total Foreign... ..	151	6	124	51	109	20	86	93	166	314	1,140	40.90
American father and Foreign mother.....	32	5	17	10	16	9	20	22	40	53	224	8.03
Foreign father and American mother.....	33	4	35	12	20	6	30	28	36	74	274	9.97
Ward totals.....	371	57	266	139	211	118	256	290	473	601	2,786	100.00

In the Third, Fifth and Tenth wards the number of children of purely foreign parentage was larger than that of American parentage; in the whole city the number of American parentage was six more than that of foreign parentage. The "other foreign" men-

tioned in this table were as follows: in the First ward, 10 of Russian parentage; 4 of Swedish, and 1 each of Austrian, Bohemian and French; in the Fourth ward, 15 of Italian parentage, and one each Russian, Swiss and Swedish; in the Fifth, 3 Swedish; in the Sixth, 1 each Swiss, Austrian and Italian; in the Seventh, 10 Italian and 1 Swedish; in the Ninth, 11 Swedish, 3 each Norwegian and French, 2 Swiss and 1 Danish; in the Tenth, 6 Swedish, 3 Italian and 1 each Norwegian and South American. In the whole city, there were 11 of Russian parentage; 29 Italian; 26 Swedish; 4 Norwegian; 4 French; 4 Swiss; 2 Austrian; 1 Bohemian; 1 Danish; 1 South American; total, 83.

The following table gives the number and percentage of children of American, foreign and mixed parentage, in each of the twenty-seven years, 1856-1882; and the number and percentage for the whole time:—

American.		Foreign.		Amer. father. For. mother.		For. mother. Amer. father.	
Year.	Number. Per cent.	Number. Per cent.	Number. Per cent.	Number. Per cent.	Number. Per cent.	Number. Per cent.	Number. Per cent.
1856.....	705.....42.09.....	857.....51.17.....	55.....3.22.....	58.....3.52.....			
1857.....	650.....38.51.....	937.....55.51.....	51.....3.02.....	50.....2.96.....			
1858.....	712.....41.80.....	886.....51.39.....	58.....3.36.....	68.....3.95.....			
1859.....	599.....37.60.....	887.....55.69.....	59.....3.70.....	48.....3.01.....			
1860.....	661.....40.11.....	857.....52.00.....	69.....4.19.....	61.....3.70.....			
1861.....	654.....37.91.....	916.....53.10.....	86.....4.99.....	69.....4.00.....			
1862.....	589.....38.52.....	799.....52.26.....	74.....4.84.....	67.....4.38.....			
1863.....	467.....35.73.....	711.....54.40.....	62.....4.74.....	67.....5.13.....			
1864.....	520.....38.69.....	699.....52.00.....	60.....4.47.....	65.....4.84.....			
1865.....	476.....36.67.....	684.....52.70.....	70.....5.32.....	68.....5.24.....			
1866.....	658.....40.20.....	821.....50.30.....	70.....4.29.....	85.....5.21.....			
1867.....	645.....39.72.....	791.....48.70.....	80.....4.93.....	108.....6.65.....			
1868.....	779.....41.75.....	808.....46.51.....	103.....5.52.....	116.....6.22.....			
1869.....	822.....45.19.....	776.....42.16.....	104.....5.72.....	117.....6.43.....			
1870.....	800.....42.85.....	862.....45.64.....	90.....4.76.....	137.....7.25.....			
1871.....	879.....44.85.....	828.....42.24.....	101.....5.15.....	152.....7.76.....			
1872.....	907.....41.12.....	1,002.....45.42.....	128.....5.80.....	169.....7.66.....			
1873.....	880.....40.84.....	941.....44.22.....	134.....6.29.....	184.....8.65.....			
1874.....	1,068.....38.42.....	1,326.....47.70.....	149.....5.36.....	237.....8.52.....			
1875.....	999.....37.50.....	1,356.....47.15.....	181.....6.79.....	228.....8.56.....			
1876.....	1,007.....38.27.....	1,290.....46.75.....	162.....6.16.....	232.....8.82.....			
1877.....	1,054.....41.45.....	1,067.....41.96.....	184.....7.23.....	238.....9.36.....			
1878.....	1,035.....39.40.....	1,174.....44.69.....	180.....6.85.....	233.....9.06.....			
1879.....	1,029.....40.80.....	1,035.....41.04.....	199.....7.83.....	259.....10.27.....			
1880.....	1,048.....39.90.....	1,091.....41.52.....	204.....7.77.....	284.....10.81.....			
1881.....	1,141.....40.71.....	1,151.....41.06.....	224.....7.99.....	287.....10.24.....			
1882.....	1,146.....41.10.....	1,140.....40.90.....	224.....8.03.....	278.....9.97.....			
27 years	21,917.....40.11.....	25,592.....46.84.....	3,161.....5.78.....	3,970.....7.27.....			

Of children of American parentage, the number is greater than in any previous year ; and the percentage greater than in any year since 1877. Of children of foreign parentage, the number was 11 less than in 1881, and the percentage less than ever before ; of children of American fathers and foreign mothers, the number is the same as in the preceding year, but the percentage, slightly larger ; and larger than in any previous year ; of children of foreign fathers and American mothers, the number and percentage are less than for several years previous.

The percentage of children born in Providence of parents of each nation, is as follows, for each of the twenty-seven years, 1856-1882, inclusive :—

	English.		British.		Other.	
	American.	Irish.	S. & W.	German.	American.	Portuguese. for'n.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
1856.....	42.09.....	41.79.....	4.84.....	2.27.....	.. .. .	.....2.27
1857.....	38.51.....	44.32.....	5.92	3.73.....	.....	.....1.54
1858.....	41.30.....	42.98.....	4.82... ..	2.26.....	.....	..... 1.33
1859.....	37.00.....	45.58.....	5.34.....	3.26.....	.....	.....1.51
1860.....	40.11....	40.96.....	6.55.....	2.85.....	.....	.....1.64
1861.....	37.91.....	42.61.....	6.03.....	2.49.....	.....	.....1.97
1862.....	38.52.....	41.53.....	6.02.....	3.07.....	.....	.....1.64
1863.....	35.73....	43.06.....	6.35... ..	2.98.....	.....	.....1.99
1864.....	38.69.....	41.36.....	6.55.....	2.75.....	.....	.....1.34
1865.....	36.67.....	42.99.....	5.93.....	1.85.....	.....	.....1.93
1866.....	40.20.....	39.52.....	6.25... ..	2.31.....	.....	.....2.32
1867.....	39.72.....	37.81.....	5.66.....	3.02.....	.....	.....2.21
1868.....	.. ..41.75.....	36.01.....	6.49.....	1.88.....	1.07.....	.....1.07
1869.....	45.19.....	34.14.....	4.01.....	1.81.....	1.32.....	.....1.33
1870.....	42.35.....	34.68.....	6.19.....	1.96	1.91.....	..... .90
1871.....	44.85.....	32.25.....	4.54.....	1.63... ..	2.09.....	.....1.73
1872.....	41.12.....	32.46.....	5.67.....	2.77.....	2.31.....	.....2.31
1873.....	40.84.....	30.50.....	7.19.....	1.86.....	2.49.....	..... 2.16
1874.....	38.42.....	32.63.....	8.13	2.34.....	2.19.....	1.23.....1.19
1875.....	37.50.....	31.53	7.69.....	2.85.....	2.67.....	.98.....1.43
1876.....	38.27.....	31.05.....	7.75.....	2.59.....	2.89.....	1.22.....1.25
1877.....	41.45.....	28.98.....	6.96.....	1.96.....	2.56.....	1.10.....1.30
1878.....	39.40.....	29.65.....	6.74.....	2.55.....	2.86.....	1.18.....1.71
1879.....	40.80	27.04.....	6.82.....	1.96.....	2.54.....	.96.....1.70
1880.....	39.90.....	26.15.....	7.50....	1.67.....	3.27.....	1.60.....1.33
1881.....	40.71.....	23.19.....	9.34.....	2.03.....	3.00.....	1.07.....2.43
1882.....	41.16.....	21.69.....	8.72... ..	1.97.....	4.16.....	1.08... ..2.98

The British American were included in the "other foreign" until 1868, and the Portuguese until 1874. The highest percentage of American parentage was 45.19 in 1869; the lowest, 35.73 in 1863; of Irish parentage the highest percentage was 45.58 in 1859; the lowest, 21.99 in 1882; the percentage of this class has steadily decreased for the past five years.

The following table shows more exactly the parentage of the children born in 1882, by giving the birth-places of both parents:—

TABLE IV. BIRTHS, 1882. *Parentage.*

BIRTH-PLACES OF FATHERS.	BIRTH-PLACES OF MOTHERS.							Whole number according to the father's birth-place.
	United States.	Ireland.	England, Scotland and Wales.	Germany.	British America.	Portugal and Western Islands	Other Countries.	
United States.....	1,146	117	53	6	40	.....	8	1,370
Ireland.....	135	564	85	1	12	.....	1	748
England, Scotland and Wales.....	70	37	182	.....	23	.....	2	313
Germany.....	18	5	8	43	.....	.....	4	73
British America.....	85	13	11	1	91	.....	.....	151
Portugal and Western Islands.....	4	.....	.....	.....	.....	29	1	34
Other Countries.....	16	6	2	2	2	1	70	99
Whole number according to the mother's birth-place.....	1,424	742	286	53	167	30	86	2,788

The 1,146 children of purely American parentage were 41.10 per cent. of all the children born during the year; this was 5 more children and 0.39 per cent. more than in 1881. Besides these, there were 224 children of American fathers and foreign mothers; this made a total of 1,370 children of American fathers, or 49.13 per cent. of all the children born; this was 5 more children and 0.43 per cent. more than in 1881. There were also 278 children of foreign fathers and American mothers, which made, in all, 1,424 children of American mothers, or 51.07 per cent. of all; 4 less children than in 1881.

per cent. more than the children of the same class in the previous year. Of the children of mixed parentage, the whole number was 502, or 18.00 per cent. of all; 9 less children and 0.23 per cent less than in 1881. The number of children of purely foreign parentage in 1882 was 1,140, or 40.90 per cent. of all; this was 11 less children and 0.16 per cent less than in 1881. Of these 1,140 children. 979, or 85.88 per cent., had parents who were natives of the same foreign country; and 161, or 14.12 per cent., had parents who were natives of different foreign countries.

NUMBER OF THE CHILD.

Table V. shows how many of the 2,788 children born in 1882 were the first, second, third, etc., children of their mothers; also the same facts in regard to the 53,452 children born during the twenty-seven years preceding, 1855-1881, inclusive:—

TABLE V. BIRTHS, 1882. *Number of the Child.*

NUMBER OF CHILD.	1882.	27 years, 1855-1881.	NUMBER OF CHILD.	1882.	27 years, 1855-1881.
<i>First</i> child of the mother	689	13,060	<i>Twelfth</i> ch'ld of the moth'r	17	213
<i>Second</i> " " "	507	10,920	<i>Thirteenth</i> " " "	9	67
<i>Third</i> " " "	385	8,527	<i>Fourteenth</i> " " "	4	43
<i>Fourth</i> " " "	314	6,465	<i>Fifteenth</i> " " "	1	23
<i>Fifth</i> " " "	230	4,712	<i>Sixteenth</i> " " "	1	7
<i>Sixth</i> " " "	201	3,397	<i>Seventeenth</i> " " "	.....	7
<i>Seventh</i> " " "	140	2,414	<i>Eighteenth</i> " " "	.....	1
<i>Eighth</i> " " "	102	1,546	<i>Nineteenth</i> " " "	.....	4
<i>Ninth</i> " " "	56	998			
<i>Tenth</i> " " "	29	647	Whole number of chil-		
<i>Eleventh</i> " " "	23	347	dren.....	2,788	53,452

Of the 2,788 children born in 1882, 689, or 24.71 per cent., were the first children of their mothers; this was 2.45 per cent. more than the same class of children in 1881. Of the 53,452 children born in the twenty-seven years, 1855-1881, inclusive, there were 13,060, or 24.43 per cent., who were the first children their mothers had borne.

Average number of children to each mother. The number of children born in 1882 was 2,788; but as the number of twin births was 29, the number of mothers bearing children during the year was 2,759. Table VII shows that these mothers had borne in all, 9,974 children, which gives an average to each mother of 3.62 children.

The next table shows the average number of children to each mother, in each of the twenty-eight years, 1855-1882, inclusive. This table shows the number of children the mothers included in the figures had borne, previous to the end of the year 1882; but it does not show the average number of children the same mothers may have in their life-time:—

TABLE VI. BIRTHS, 1855 TO 1882.
Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate No. of Children.	Average.
1855.....	1,528	1,600	5,314	3.28 children to each mother.
1856.....	1,538	1,673	5,563	3.35 children to each mother.
1857.....	1,664	1,698	5,736	3.44 children to each mother.
1858.....	1,706	1,724	5,683	3.33 children to each mother.
1859.....	1,570	1,593	5,618	3.58 children to each mother.
1860.....	1,627	1,648	5,841	3.59 children to each mother.
1861.....	1,604	1,725	6,017	3.65 children to each mother.
1862.....	1,513	1,529	5,822	3.52 children to each mother.
1863.....	1,295	1,307	4,717	3.64 children to each mother.
1864.....	1,327	1,341	4,887	3.68 children to each mother.
1865.....	1,279	1,296	4,825	3.60 children to each mother.
1866.....	1,614	1,632	5,744	3.56 children to each mother.
1867.....	1,506	1,624	5,497	3.50 children to each mother.
1868.....	1,841	1,866	6,338	3.44 children to each mother.
1869.....	1,797	1,819	5,964	3.30 children to each mother.
1870.....	1,859	1,889	6,145	3.31 children to each mother.
1871.....	1,937	1,960	6,420	3.31 children to each mother.
1872.....	2,174	2,306	7,346	3.36 children to each mother.
1873.....	2,104	2,126	6,731	3.20 children to each mother.
1874.....	2,738	2,790	8,980	3.27 children to each mother.
1875.....	2,631	2,664	8,977	3.41 children to each mother.
1876.....	2,604	2,631	8,914	3.42 children to each mother.
1877.....	2,516	2,643	8,705	3.46 children to each mother.
1878.....	2,597	2,627	9,417	3.63 children to each mother.
1879.....	2,499	2,529	8,943	3.58 children to each mother.
1880.....	2,600	2,927	9,386	3.61 children to each mother.
1881.....	2,780	2,803	10,111	3.64 children to each mother.
1882.....	2,759	2,788	9,974	3.62 children to each mother.
28 years.....	55,508	56,310	192,785	3.47 children to each mother.

Table VII. gives the number of the child in connection with the age of the mother; shows how many first, &c. children were borne in 1882 by mothers at the age of each mother, and the aggregate of children they had borne:—

TABLE VII. BIRTHS, 1882. *Number of child with age of mother.*

AGE OF THE MOTHERS IN YEARS.	NUMBER OF CHILD.																Number of mothers at each age.	Children they bore in 1882.	Total children they had borne	Average number of children to mothers at each age
	1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	14th.	15th.	16th.				
15.....	1																1	1	1	1.00
16.....	5																5	5	5	1.00
17.....	15																15	15	17	1.13
18.....	19																20	20	23	1.25
19.....	35																44	44	53	1.20
20.....	30	1	8														60	60	102	1.55
21.....	63	1	6	4													92	93	134	1.46
22.....	80	2	2	3	3												124	131	212	1.56
23.....	08	4	1	5	1	2											145	145	267	1.84
24.....	*31	14	1	13	3	3											144	148	300	2.06
25.....	77	0	5	10	9	4											190	193	421	2.24
26.....	37	*3	7	*23	13	3											139	141	308	2.43
27.....	48	4	8	20	20	4	3	1									174	174	466	2.67
28.....	43	*4	6	*31	15	8	1										177	179	490	2.76
29.....	131	8	5	29	31	*17	8	1	1								160	163	534	3.46
30.....	20	3	7	41	30	*23	11	6	1	1							195	196	734	3.67
31.....	14	1	5	20	17	13	4	3	1	1							104	104	400	3.83
32.....	20	1	0	28	24	18	12	8	1	2							152	152	695	4.12
33.....	3	1	0	22	*21	17	8	4	2								105	106	473	4.50
34.....	8	*1	4	*16	10	7	*14	9	4	1							100	103	477	4.77
35.....	6	*	8	*17	*22	24	*17	*19	9	3	2	1		2			133	138	706	5.91
36.....	4		6	*14	22	17	8	12	*4	2	4	2	1				106	110	602	5.87
37.....			7	10	8	13	13	*7	6	6	1	2	1				75	76	473	6.17
38.....	1		5	11	12	14	17	9	10	*5	2	3	1				91	93	586	6.64
39.....			1	5	9	6	9	7	7	3	3	6					60	60	431	7.18
40.....	1		1	5	6	2	6	8	3	3	3	1	2				43	44	304	7.67
41.....			1	2	8		2	3	1	3	3	1	1				20	20	182	7.00
42.....				1	6	4	8	4	5	2	2	1					31	34	241	7.09
43.....					2	3	4	1		2	1	1					14	14	106	7.57
44.....	1			1	2	1	3		1	1	1						10	10	67	6.70
45.....						1											3	3	33	7.06
46.....							1			1							2	3	18	9.00
47.....												1					1	1	13	13.00
50.....																	1	1	3	3.00
Totals.....	669	607	385	314	280	301	140	102	86	20	23	17	9	4	1	1	2,738	2,748	9,974	3.62

* One of these mothers bore twins.

† Two of these mothers bore twins.

The reference marks in this table indicate the number of the first child in each case of plurality birth; thus, at the age of 24, four mothers bore twins; in one case they were the first and second children; in two cases, the second and third, and in one case the third and fourth. At the age of 29, three mothers bore twins; in two cases they were the first and second children, and in one case, the sixth and seventh.

The oldest mother in 1882 was 50 years of age and bore her third child in 1882. The number of mothers of 40 years and over, bearing children in 1882, was 128; the number of children borne by them during the year, 128; the total number of children borne by them, 927; an average of 7.24 children to each mother. In the period of nineteen years and six months, during which the record has been kept of the ages of the mothers, there have been 2,052 mothers of 40 years and over, who have borne 2,074 children in these nineteen years and a half. Including *all* the children previously borne by the same mothers, we have a total of 14,833 children; an average of 7.23 children to each mother.

During this nineteen years and six months, since July 1, 1863, the number of children borne by mothers whose age was stated, was 42,312; the number of children to mothers at each age, was as follows:—

Age of mother.	Children.	Age of mother.	Children.	Age of mother.	Children.
14.....	5	27.....	2,540	40.....	918
15.....	20	28.....	2,957	41.....	278
16.....	62	29.....	2,180	42.....	349
17.....	180	30.....	3,353	43.....	187
18.....	433	31.....	1,453	44.....	118
19.....	729	32.....	2,036	45.....	114
20.....	1,173	33.....	1,679	46.....	82
21.....	1,374	34.....	1,432	47.....	27
22.....	2,037	35.....	2,127	48.....	12
23.....	2,256	36.....	1,319	49.....	3
24.....	2,489	37.....	1,068	50.....	11
25.....	2,844	38.....	1,161		
26.....	2,578	39.....	753	All known ages..	42,312

These 42,312 children were divided as follows, to mothers of different divisions of age :—

	Number of mothers.	Per cent.
Under twenty years.....	1,429.....	3.38
Twenty, and under twenty-five.....	9,829.....	22.05
Twenty-five, and under thirty.....	13,099.....	30.96
Thirty, and under thirty-five.....	9,953.....	23.52
Thirty-five, and under forty.....	6,428.....	15.19
Forty, and under forty-five.....	1,875.....	4.43
Forty-five and over.....	199.....	0.47
Total.....	42,312.....	100.00

PLURALITY BIRTHS.

The number of cases of plurality births in Providence in 1882 was 29, which was 6 more than in 1881.

The following are the statistics concerning them :—

Cases. 29 ; number of children, 58.

Locality. First ward, 4 ; Second, 0 ; Third, 2 ; Fourth, 3 ; Fifth, 2 ; Sixth, 4 ; Seventh, 2 ; Eighth, 3 ; Ninth, 2 ; Tenth, 7.

Season. January, 2 ; February, 2 ; March, 1 ; April, 3 ; May, 3 ; June, 1 ; July, 2 ; August, 3 ; September, 2 ; October, 1 ; November, 2 ; December, 7.

Sex. In 11 cases both children were males ; in 10, both were females ; and in 8 cases there was one child of each sex ; in all, 30 male and 28 female children.

Color. The parents were white in all cases.

Number of the Children and Age of the Mother. The reference marks in Table VII indicate the number of the children and the age of the mother in each case of plurality birth. In five cases they were

the first and second children ; the mothers being, one of 24 years, two of 25 years, and two of 29 years ; in six cases they were the second and third children of mothers, two of whom were 24 years old, and the others, 26, 28, 34 and 35 years ; in three cases, the third and fourth children of mothers 24, 25 and 38 years old ; in five cases, the fourth and fifth children of mothers 26, 28, 34, 35 and 36 years old ; in two cases, the fifth and sixth children of mothers 33 and 35 years old ; in two, the sixth and seventh children of mothers 29 and 30 years old ; in two, the seventh and eighth children of mothers 34 and 35 years old ; in two, the eighth and ninth children of mothers 35 and 37 years old ; in one case, the ninth and tenth children of a mother 36 years old ; and in one, the tenth and eleventh children of a mother 38 years old.

Parentage. In thirteen cases both the parents were Americans ; in seven, both were Irish ; in one, both German ; in one, both Norwegian ; in one, both Italian ; in one, both British American ; in two, the father was American and the mother Irish ; in one, the father Irish and the mother American ; in one, the father Irish and the mother Scotch ; and in one, the father British American and the mother English.

TWENTY-EIGHT YEARS' SUMMARY OF PLURALITY BIRTHS.

In the twenty-eight years, 1855-1882, there have been 662 cases of plurality births in Providence ; 653 of twins and 9 of triplets.

Sex. Of the nine cases of triplets, in one case, all the children were males ; in five cases, all were females ; and in three cases, there were two male children and one female ; making 9 male and 18 female children in the nine cases.

Of the 653 cases of twins, there were 215 cases where both children were males ; 221 in which both were females, and 217 in which there was one male and one female child ; total, 647 male and 659 female children. Of the 1,333 children of all the cases of plurality births, there were 656 males and 677 females ; a proportion of 103.2 females to 100 males, or 50.79 girls and 49.21 boys in each 100 children born.

Color. In all the cases of triplets the parents were white ; of the 653 cases of twins, in 602 the parents were white, and in 51 they were colored.

Parentage. Of the triplets, in one case the parents were both American ; in five cases, both were Irish ; in one case, both German ; in one, the father was English and the mother Irish ; and in one, the father Scotch and the mother Irish. There was but one American mother in the nine cases.

The nativity of both parents is given in the following table for the 653 cases of twin births ; the first letter indicating the father's birth-place and the second the mother's.

A., American ; I., Irish ; E., English ; S., Scotch ; W., Welsh ; G., German ; B. A., British American ; D., Dutch ; P., Portuguese ; It., Italian ; Sw., Swedish ; N., Norwegian.

Parentage.	No.	Parentage.	No.	Parentage.	No.	Parentage.	No.
A. and A.....	220	I. and A.....	16	B. A. and I.....	2	I. and S	4
I. and I	247	E. and A.....	14	Sw. and I.....	1	E. and S.....	1
E. and E.....	80	S. and A.....	2	It. and I.....	1	I. and W.....	1
S. and S	7	B. A. and A.....	6	P. and I.....	1	A. and B. A.....	6
G. and G.....	17	G. and A.....	2	A. and E.....	4	I. and B. A.....	2
B. A. and B. A...	11	Sw. and A.....	1	I. and E.....	6	F. and B. A.....	1
D. and D.....	1	A. and I.....	15	S. and E.....	1	S. and B. A.....	1
N. and N.....	1	E. and I.....	12	G. and E.....	1	A. and Sw.....	1
P. and P.....	0	S. and I.....	3	B. A. and E.....	1		—
It. and It.....	2	G. and I.....	1	A. and S.....	1	Total.....	653

The number of American mothers in these 653 cases was 261, which was 39.97 per cent. ; the number of Irish mothers was 283, or 43.34 per cent. ; of mothers of others foreign nations, there were 109, or 16.69 per cent.

In the 662 cases of plurality births in the twenty-eight years, there were 262 American mothers, and 400 foreign mothers. The whole number of American mothers who bore children during these years was 26,323 ; of this number, the 262 mothers in the cases of plurality births, were about 1.00 per cent. ; the whole number of foreign

mothers during the same time was 29,246 ; and the 400 mothers in the cases of plurality births were 1.37 per cent. of this number.

Proportion of plurality births to whole number. The following figures compare the year 1882 with the twenty-seven years previous, as to the number and proportion of plurality births :—

	Single Births.	Twin.	Triplet.	Whole No. of Births.	Whole No. of Children.
27 years, 1855–1881	52,177	624	9	52,810	53,452
1882	2,730	29	—	2,759	2,788
28 years' totals	54,907	653	9	55,569	56,240

Proportion of cases of plurality births :—

	Twins.	Triplets.
1855–1881	1 in 84.6	1 in 5,867.8
1882	1 in 95.1	
1855–1882	1 in 85.1	1 in 6,174.3

Proportion of children of plurality births :—

	Twins.	Triplets.
1855–1881	1 in 42.8	1 in 1,778.6
1882	1 in 48.1	
1855–1882	1 in 43.1	1 in 2,082.9

Proportion of plurality births by parentage. The whole number of births in the twenty-eight years, 1855–1882, inclusive, was 55,569. The following figures show the number of births of American, foreign and mixed parentage, and the number and proportion of plurality cases in each class :—

	Whole No. Births.	Plurality Cases.	1 in	Per Ct.
American parents	22,334	221	101.1	or 0.99
Foreign parents	26,066	373	69.8	or 1.43
Am. father, foreign mother. 3,180	27	117.7	or 0.85	
Foreign father, Am. mother. 3,989	41	97.2	or 1.03	
<hr/>				
Total	55,569	662	83.9	or 1.19
<hr/>				

Of the 662 cases of plurality births during this period, the 221 of American parentage were 33.38 per cent. ; the 373 of foreign parentage were 56.35 per cent. ; the 27 with American father and foreign mother were 4.08 per cent. ; and the 41 with foreign father and American mother were 6.19 per cent.

MARRIAGES.

During the year 1882 there were 1,172 marriages in the city of Providence.

The following table shows the number of marriages in each month and quarter of the year 1882, and in each of the six years preceding; also the aggregate and average number for each month and quarter of the twenty-eight years, 1855-1882:—

TABLE VIII. MARRIAGES. *Season.*

MONTHS.	1882.	1881.	1880.	1879.	1878.	1877.	1876.	28 years, 1855-1882.	28 years' average.
January.....	105	117	105	102	76	68	79	2,128	76
February.....	82	112	100	85	73	65	93	1,905	68
March.....	55	81	53	47	73	88	44	1,246	45
1st Quarter.....	242	310	258	234	222	171	216	5,279	189
April.....	109	95	98	83	77	88	70	1,935	69
May.....	91	114	109	98	68	85	80	2,098	75
June.....	101	131	111	96	104	83	94	2,201	79
2d Quarter.....	301	340	318	277	249	251	214	6,234	223
July.....	70	83	97	59	94	85	56	1,833	65
August.....	80	69	75	88	62	76	62	1,593	57
September.....	111	81	115	106	93	87	93	2,216	79
3d Quarter.....	261	233	287	253	249	248	211	5,642	201
October.....	125	134	108	103	99	99	95	2,486	89
November.....	149	114	148	128	115	102	109	2,701	96
December.....	94	66	113	76	82	82	74	1,949	70
4th Quarter.....	368	314	369	307	296	263	303	7,138	255
Yearly totals.....	1,172	1,202	1,232	1,071	1,016	953	949	24,293	868

There were 30 less marriages in 1882 than in 1881, but 304 more than the average for the twenty-eight years. Having estimated the population of the city in 1882 at 114,377, the 2,344 persons who were married during the year give a ratio of one in 48.80 of the population, or 20.49 persons married in each thousand. The ratio of persons married, to births, was 84.07 to 100; of persons married, to deaths, 104.5 to 100.

Season. The larger part of these marriages occurred in the last part of the year; the largest quarterly total being 368, in the fourth quarter; the smallest quarterly total was 242, in the first quarter. The largest monthly total was 149, in November, and the smallest, 55, in March.

The number and percentage of marriages in each quarter of the year 1882 are given below; also the same statistics for the twenty-seven years, 1855-1881:—

	1882.		1855-1881.	
	Marriages.	Per Cent.	Marriages.	Per Cent.
January-March.....	242.....	20.65.....	5,037.....	21.79
April-June	301.....	25.68.....	5,933.....	25.66
July-September.....	261.....	22.27.....	5,381.....	23.37
October-December.....	368.....	31.40.....	6,770.....	29.29
	—	—	—	—
Total.....	1,172.....	100.00.....	23,121.....	100.00

The birth-places of both parties in each of the 1,171 marriages in 1882 are given in the following table:—

TABLE IX. MARRIAGES, 1882. *Nativity of the parties.*

BIRTH-PLACES OF GROOMS.	BIRTH-PLACES OF BRIDES.							Whole number of grooms.
	United States.	Ireland.	England, Scotland and Wales.	Germany.	British America.	Portugal and Western Islands.	Other Countries.	
United States.....	216	52	89	8	39	...	4	753
Ireland.....	38	124	3	.....	6	.....	1	172
England, Scotland and Wales....	38	15	59	.....	7	.....	.....	119
Germany.....	10	4	8	14	.....	.....	.....	31
British America.....	21	8	2	.....	28	.....	.....	54
Portugal and Western Islands.....	3	.....	.....	.....	.....	7	.....	10
Other Countries.....	7	1	.....	1	.....	.....	24	33
Whole number of brides.....	733	199	106	18	80	7	29	1,172

Bride and groom born in the same country. Of the 1,172 marriages during the year, there were 872 in which the bride and groom were natives of the same country; this was 74.40 per cent. of all; this was 18 less marriages but 0.36 per cent. more than in 1881. There were 616 marriages, or 52.56 per cent. of all, in which both parties were natives of the United States; this was 59 less marriages and 3.60 per cent. less than in the previous year. There were 124 marriages, or 10.58 per cent., in which both parties were born in Ireland; this was 17 more marriages than in 1881. The 59 marriages where both were natives of England or Scotland, were 18 more than the number of the same class the year before; there were 14 marriages where both were natives of Germany; 4 more than in 1881; and 28 where both were natives of British America; 9 less than in 1881.

Bride and groom born in different countries. There were 300 marriages in 1882, or 25.60 per cent. of all, in which the parties were natives of different countries; 12 less marriages and 0.36 per cent. less than in 1881. Of these 300 marriages there were 137, or 45.67

MARRIAGES : NATIVITY.

25

American.		Foreign.		Mixed.	
Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
308.....	48.73.....	265.....	41.93.....	59.....	9.34
352.....	54.74.....	212.....	32.97.....	79.....	12.29
384.....	62.54.....	175.....	28.50.....	55.....	8.96
283.....	50.54.....	214.....	38.21.....	63.....	11.25
333.....	54.50.....	224.....	36.66.....	54.....	8.84
336.....	54.19.....	225.....	36.29.....	59.....	9.52
304.....	55.58.....	182.....	33.27.....	61.....	11.15
288.....	52.65.....	179.....	32.72.....	80.....	14.63
342.....	56.07.....	192.....	31.47.....	76.....	12.46
427.....	57.78.....	211.....	28.55.....	101.....	13.66
417.....	58.82.....	202.....	28.49.....	90.....	12.69
471.....	58.00.....	244.....	30.05.....	97.....	11.95
485.....	56.73.....	269.....	31.46.....	101.....	11.81
530.....	60.78.....	215.....	24.65.....	127.....	14.56
530.....	56.99.....	286.....	30.75.....	114.....	12.26
552.....	57.56.....	262.....	27.32.....	145.....	15.12
523.....	55.46.....	278.....	29.48.....	142.....	15.06
591.....	54.52.....	305.....	28.14.....	188.....	17.34
652.....	56.69.....	317.....	27.57.....	181.....	15.74
648.....	55.10.....	346.....	29.42.....	182.....	15.48
586.....	54.31.....	320.....	29.66.....	173.....	16.03
547.....	57.64.....	241.....	25.39.....	161.....	16.97
545.....	57.19.....	233.....	24.45.....	175.....	18.36
601.....	59.15.....	245.....	24.12.....	170.....	16.73
632.....	60.97.....	217.....	20.26.....	201.....	18.77
750.....	60.88.....	243.....	19.72.....	239.....	19.40
675.....	56.16.....	265.....	22.04.....	262.....	21.80
616.....	52.56.....	302.....	25.77.....	254.....	21.67
13,729.....	56.53.....	6,860.....	28.28.....	3,689.....	15.19

have been only two years in the twenty-eight when the proportion of American marriages was less than in 1882 ; the proportion of mixed marriages was larger than it has been since 1875 ; the proportion of mixed marriages, though slightly less than in 1881, was not less than in any year previous to that. The whole number of marriages given in this table is 24,287 ; while in Table VIII., the total number of marriages for the same period of years is 24,293 ; this discrepancy is owing to the fact that in some of the early years of the records it was necessary to omit some marriages from each of these tables on account of defective statistics. See Report for 1879, page 22.

per cent., where the groom was a native of the United States; and 117, or 39.00 per cent., in which the bride was born here. These 137 American grooms who married foreign wives were 18.20 per cent. of the whole number of grooms born in the United States, which was 753. Of the 172 grooms born in Ireland, only 48, or 27.90 per cent., married natives of other countries. Of the 119 grooms born in England, 60, or 50.42 per cent.; of the 31 born in Germany, 17, or 54.84 per cent.; of the 54 born in British America, 26, or 48.15 per cent. Of brides there were 733 who were natives of the United States; of this number, 117, or 15.96 per cent., married foreigners. Of the 199 brides born in Ireland, 75, or 37.69 per cent., married natives of some other country than their own; of the 106 born in England or Scotland, 47, or 44.34 per cent.

The 33 grooms who were natives of "other countries" than those named in the table, were born as follows:—in Sweden, 11; in Italy, 8; in France, 5; in Russia, 2; in the West Indies, 2; in Switzerland, Denmark, Norway, Finland and China, one each.

There were 29 brides who were of "other countries," and were born as follows:—in Sweden, 10; in Italy, 8; in Norway and France, 3 each; in Russia, Switzerland, West Indies and Africa, one each; and one was born "at sea."

In the following table are given the number and percentage of American, foreign and mixed marriages, in each of the twenty-eight years from 1855–1882, inclusive. By mixed marriages are meant those in which one of the party was of American, and one of foreign nativity:—

MARRIAGES: NATIVITY.

25

Year.	American.		Foreign.		Mixed.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
1855.....	308.....	48.73.....	265.....	41.93.....	59.....	9.34
1856.....	352.....	54.74.....	212.....	32.97.....	79.....	12.29
1857.....	384.....	62.54.....	175.....	28.50.....	55.....	8.96
1858.....	283.....	50.54.....	214.....	38.21.....	63.....	11.25
1859.....	333.....	54.50.....	224.....	36.66.....	54.....	8.84
1860.....	336.....	54.19.....	225.....	36.29.....	59.....	9.52
1861.....	304.....	55.58.....	182.....	33.27.....	61.....	11.15
1862.....	288.....	52.65.....	179.....	32.72.....	80.....	14.63
1863.....	342.....	56.07.....	192.....	31.47.....	76.....	12.46
1864.....	427.....	57.78.....	211.....	28.55.....	101.....	13.66
1865.....	417.....	58.82.....	202.....	28.49.....	90.....	12.69
1866.....	471.....	58.00.....	244.....	30.05.....	97.....	11.95
1867.....	485.....	56.73.....	269.....	31.46.....	101.....	11.81
1868.....	530.....	60.78.....	215.....	24.66.....	127.....	14.56
1869.....	530.....	56.90.....	236.....	30.75.....	114.....	12.26
1870.....	552.....	57.56.....	262.....	27.32.....	145.....	15.12
1871.....	523.....	55.46.....	273.....	29.48.....	142.....	15.06
1872.....	591.....	54.52.....	305.....	28.14.....	188.....	17.34
1873.....	652.....	56.69.....	317.....	27.57.....	181.....	15.74
1874.....	648.....	55.10.....	346.....	29.42.....	182.....	15.48
1875.....	586.....	54.31.....	320.....	29.66.....	173.....	16.03
1876.....	547.....	57.64.....	241.....	25.39.....	161.....	16.97
1877.....	545.....	57.19.....	233.....	24.45.....	175.....	18.36
1878.....	601.....	59.15.....	245.....	24.12.....	170.....	16.73
1879.....	652.....	60.97.....	217.....	20.26.....	201.....	18.77
1880.....	750.....	60.88.....	243.....	19.72.....	239.....	19.40
1881.....	675.....	56.16.....	265.....	22.04.....	262.....	21.80
1882.....	616.....	52.56.....	302.....	25.77.....	254.....	21.67
28 years...	13,729.....	56.53.....	6,860.....	28.28.....	3,689.....	15.19

There have been only two years in the twenty-eight when the proportion of American marriages was less than in 1882; the proportion of foreign marriages was larger than it has been since 1875; the proportion of mixed marriages, though slightly less than in 1881, was larger than in any year previous to that. The whole number of marriages given in this table is 24,287; while in Table VIII., the total for the same period of years is 24,293; this discrepancy is owing to the fact that in some of the early years of the records it was necessary to omit some marriages from each of these tables on account of imperfect statistics. See Report for 1879, page 22.

The following figures give the same facts for each of the twenty-seven years, 1856–1882 inclusive, and for the whole period:—

Years.	Males.			Females.		
	No.	Aggregate age.	Average age.	No.	Aggregate age.	Average age.
1856.....	639....	18,104 years	28.33 years....	637....	15,559 years....	24.42 years.
1857.....	607....	16,753 years....	27.59 years....	606....	14,427 years....	23.84 years.
1858.....	560....	15,850 years....	28.29 years....	560....	13,702 years....	24.47 years.
1859.....	611....	16,989 years....	27.81 years....	611....	14,616 years....	23.92 years.
1860.....	620....	17,135 years....	27.60 years....	620....	14,667 years....	23.66 years.
1861.....	547....	15,448 years....	28.24 years....	547....	13,316 years....	22.33 years.
1862.....	547....	15,773 years....	28.83 years....	547....	13,565 years....	24.80 years.
1863.....	610....	17,208 years....	28.21 years....	610....	14,792 years....	24.24 years.
1864.....	739....	21,361 years....	28.90 years....	739....	18,075 years....	24.45 years.
1865.....	709....	20,539 years....	28.96 years....	709....	17,605 years....	24.83 years.
1866.....	812....	22,801 years....	28.08 years....	812....	20,036 years....	24.67 years.
1867.....	855....	24,443 years....	28.58 years....	855....	21,078 years....	24.65 years.
1868.....	872....	24,546 years....	28.15 years....	872....	21,440 years....	24.59 years.
1869.....	930....	26,548 years....	28.55 years....	930....	23,135 years....	24.88 years.
1870.....	959....	27,343 years....	28.51 years....	959....	23,773 years....	24.79 years.
1871.....	943....	26,743 years....	28.37 years....	943....	23,290 years....	24.70 years.
1872.....	1,084....	31,110 years....	28.70 years....	1,084....	26,835 years....	24.76 years.
1873.....	1,150....	32,879 years....	28.59 years....	1,150....	28,701 years....	24.96 years.
1874.....	1,176....	33,927 years....	28.85 years....	1,176....	29,510 years....	25.09 years.
1875.....	1,079....	30,848 years....	28.59 years....	1,079....	27,090 years....	25.11 years.
1876.....	949....	27,496 years....	28.97 years....	949....	23,640 years....	24.91 years.
1877.....	953....	27,904 years....	29.28 years....	953....	24,092 years....	25.28 years.
1878.....	1,016....	29,460 years....	28.99 years....	1,016....	25,796 years....	25.40 years.
1879.....	1,071....	31,016 years....	28.96 years....	1,071....	27,103 years....	25.32 years.
1880.....	1,232....	36,127 years....	29.32 years....	1,232....	31,015 years....	25.18 years.
1881.....	1,202....	35,283 years....	29.35 years....	1,202....	30,801 years....	25.62 years.
1882.....	1,172....	34,068 years....	29.07 years....	1,172....	29,743 years....	25.38 years.
<hr/>						
27 years.	23,644....	677,702 years....	28.66 years....	23,641....	587,402 years....	24.85 years.

The number of males and females does not agree in this table, because in 1856 the ages of 17 males and 19 females, and in 1857, the ages of 7 males and 8 females, were not given.

Number of times married. Table XI. shows how many of the marriages in 1882 were the first, second or third marriages of the parties:—

TABLE XI. MARRIAGES, 1882. *Number of times married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.			Whole number of Grooms.
	First.	Second.	Third.	
First.....	881	78	1	960
Second.....	123	67	3	193
Third.....	8	7	3	18
Fourth.....	1	.....	.....	1
Whole number of Brides.....	1,013	152	7	1,172

The 881 marriages which were the first of both parties, were 75.17 per cent. of the whole number. The whole number of grooms married for the first time, was 960 or 81.91 per cent. of all; of brides, 1,013 or 86.43 per cent. of all. In 67 cases, or 5.72 per cent. of all, it was the second marriage of both parties.

There were, in 1882, 13 marriages in which both parties had been divorced; 20 more in which the man only had been divorced; and 32 others where the woman only had been; making 65 marriages where one or both parties had been divorced; this was 5.55 per cent. of the whole number of marriages, or about one in 18.

Denominational. The 1,172 marriages of 1882, were solemnized by the clergymen of different denominations or by civil authority as follows :—

Roman Catholic.....	438	Latter Day Saints.....	3
Calvinistic Baptist.....	144	Hebrew.....	1
Free Baptist.....	40	Bethel Pastor.....	5
Methodist.....	179	Lutheran	3
Episcopalian.....	136	New Jerusalem.....	5
Congregationalist.....	97	Free Religious.....	3
Unitarian.....	34	Advent....	7
Universalist.....	36	African Union	6
Presbyterian....	13	Denomination not specified.....	6
Christian.....	2	Judge of Supreme Court.....	2
Seaman's Mission.....	8		
Evangelical Advent.....	4	Total	1,172

Nativity and Residence. There were in 1882, 96 marriages, in which both parties were natives of Providence, this was 8.19 per cent. of all the marriages during the year; there were also 115 other marriages, or 9.81 per cent. of all, in which the groom only was born here; and 175 or 14.93 per cent., in which the bride only was born here; this gives a total of 482 persons married, who were natives of the city; this is 20.56 per cent. of the 2,344 persons married in the city during the year. This percentage varies but little from year to year; in 1881 it was 21.76 per cent.; in 1880 it was 22.20 per cent.; in 1879 it was 22.60 per cent.; in 1878, 21.06 per cent.

There were 153 marriages in 1882, or 13.06 per cent. of all, in which neither party was a resident of the city; of these 153 marriages there were 96, or 62.74 per cent. where both parties were not only not residents of the city, but came from outside of the state; and in 74 cases they both came from Massachusetts; in 11 others one of the parties was from that state.

These numbers are all much smaller than the corresponding figures on these points for the past two years, as may be seen from the following table:—

	Both parties non-resident.	Per cent.	Both from outside. the state.	Both from Massachusetts.	One from Mass.
1880.....	206.....	16.72.....	132.....	104.....	15
1881.....	195.....	16.22.....	130.....	102.....	13
1882	153.....	13.06.....	96.....	74.....	11

This decrease is probably the effect of the new marriage law, which went into operation on the first of July, 1881, and one object of which was to accomplish just this result; namely, to prevent the marriage here of runaway parties from neighboring towns and states; especially of minors. That this is the cause of the decrease is still further apparent from the fact, that, for 1881 and 1882, the statistics were made up for the first and last half of the year separately; and in 1881, the figures for the second six months after the new law was in force, were very much less than for the first six months, while in 1882, when the law operated during the whole year, there was very

little difference between the first and last half of the year. Thus in 1881, the number of marriages of non-residents was 195, of which 121 were in the first six months, and 74 in the last six; there were 130 marriages where both were from outside the state; 82 in the first six months, and 48 in the last six; 102 where both parties came from Massachusetts; 67 in the first six months and 35 in the last six.

In 1882, the 153 marriages of non-residents were divided in the first and last half of the year much more evenly; 65 in the first half, and 88 in the last half; of the 96 where both parties were from outside the state; 40 were in the first half, and 56 in the last half; of the 74, where both came from Massachusetts, 35 were in the first half, and 39 in the last half.

The whole number of marriage certificates issued during the year, was 1,245; in 86 cases the parties went out of the city to be married; on the other hand, there were 58 cases where persons came into Providence to be married, with certificates from some other town in the state; so that the marriage is recorded and counted here, though the "Intention of Marriage" is not. There were 45 certificates given which were either not used, or of which no report has been received.

Marriage and education. The 2,344 persons married in Providence in 1882, were divided as follows as to sex and nativity:—

Born in United States.....	Males, 753.....	Females, 733.....	Total, 1,486
Born in Foreign countries.....	Males, 419.....	Females, 439.....	Total, 858

In these different classes, the number and proportion who signed the marriage certificate with a mark, were as follows:—

1882.	Whole Number Married.	Signed with a Mark.	In Each 100.
Males, born in United States.....	753.....	28.....	3.72
Females, born in United States.....	733.....	23.....	3.14
Total, born in United States.....	1,486.....	51.....	3.43
Males, born in foreign countries.....	419.....	66.....	15.75
Females, born in foreign countries.....	439.....	83.....	18.91
Total, born in foreign countries.....	858	149.....	17.37
Totals.....	2,344	200.....	8.53

Of the 51 persons born in the United States, who signed the marriage certificate with a mark, there were 15 colored persons (11 males and 4 females) ; and 29 (13 males and 16 females) who were of foreign parentage ; this leaves only 7 persons (4 males and 3 females) of white American parentage, who were unable to sign their names ; this was 4 less than in 1881 ; 3 less males and one less female.

The number and proportion who signed with a mark in 1882 were much less in every class than in 1881 ; the number born in the United States was 21 less (5 males and 16 females), and the proportion 1.04 less ; the number of those born in foreign countries, was 22 less (8 males and 14 females), and the proportion 4.22 less ; the whole number in 1882 was 43 less than in 1881 and the proportion 1.58 less.

The number of males who signed with a mark were 13 less than in the previous year, 5 American and 8 foreign ; the number of females, 30 less, American 16, and foreign 14.

The statistics on this subject for the twenty-three years, 1859-1881, are as follows :—

1860-1881.	Whole Number Married.	Signed with a Mark.	In Each 100.
Males born in United States.....	13,237.....	618	4.67
Females born in United States.....	13,514.....	805.....	6.63
Total born in United States.....	26,751.....	1,513.....	5.66
Males born in foreign countries.....	7,420.....	2,207.....	30.93
Females born in foreign countries.....	7,152.....	3,822.....	46.45
Total born in foreign countries....	14,561.....	5,019.....	38.54
Totals.....	41,332.....	7,132.....	17.33

DEATHS.

The number of deaths reported for the year 1882, was 2,242. This was 97 more than in 1881; males, 33 more; females, 64 more; whites, 109 more; colored, 12 less; natives of the United States, 36 less; of foreign countries, 133 more; of American parentage, 34 less; of foreign parentage, 131 more.

The whole number of deaths in twenty-eight years, 1855-1882 inclusive, was 39,957; the average annual death rate, one in 50.86. For 1882 the death rate was one in 51.02 or 19.60 deaths to each thousand of the population.

In the different classes of the population, the ratio was as follows:—

	<i>Estimated</i> Population, 1882.	Deaths, 1882.	To population one death in	Deaths to each 1,000 of population.
Whole number.....	114,277.....	2,242.....	51.02.....	19.60
Males	54,601.....	1,080.....	50.56.....	19.78
Females.....	59,776.....	1,162.....	51.44.....	19.44
White.....	110,401.....	2,147.....	51.43.....	19.45
Colored	3,976.....	95.....	41.56.....	23.89
Born in United States.....	61,686.....	1,586.....	51.49.....	19.42
Born in foreign countries.....	32,711.....	636.....	49.86.....	20.05
American parentage.....	52,686.....	965.....	54.61.....	18.31
Foreign parentage.....	61,681.....	1,277.....	49.30.....	20.70

The general statistics in regard to the 2,242 deaths are given in the following table:—

TABLE XII. DEATHS, 1882.

Sex, condition, color, nativity, parentage, locality and season.

1882.	January.	February.	March.	April.	May.	June.	July.	August.	November.	December.	Whole Year.
Whole number of Deaths..	185	177	168	173	169	168	192	232	247	215	1,931
<i>Sex.</i> —											
Males.....	78	74	86	85	77	77	95	112	118	101	1,082
Females.....	107	103	82	87	92	91	97	110	129	114	1,849
<i>Condition.</i> —											
Married.....	62	73	67	75	68	55	41	80	69	78	738
Single.....	62	73	81	73	76	79	129	145	137	103	1,151
Widows.....	28	22	12	16	25	20	17	21	19	23	224
Widowers.....	6	4	6	6	15	10	8	5	9	12	98
Divorced.....	1	3	....	2	....	2	....	1	3	....	16
<i>Color.</i> —											
Whites.....	179	170	160	164	159	169	188	215	233	206	2,177
Colored.....	6	7	8	9	11	9	4	7	14	10	134
<i>Nativity.</i> —											
United States.....	127	129	120	109	117	116	140	105	169	146	1,584
Ireland.....	24	20	31	49	43	25	35	28	46	34	457
England and Scotland.....	16	7	7	11	5	9	8	18	17	10	131
Germany.....	3	4	1	2	1	3	1	1	1	....	19
British American.....	5	5	4	1	3	1	2	1	7	3	37
Portugal & West'n Islands.....	1	....	....	....	1	....	....	....	1	1	3
Other countries.....	1	2	2	....	....	1	1	2	4	1	17
<i>Parentage.</i> —											
American.....	36	36	....	....	73	66	76	94	108	95	965
Irish.....	61	60	....	....	71	74	81	78	93	82	885
English and Scotch.....	19	16	....	....	13	18	22	27	27	16	221
German.....	6	5	....	....	4	9	2	7	4	1	52
British American.....	6	5	....	....	4	3	6	9	6	6	63
Portuguese.....	2	1	....	....	2	....	2	5	1	1	17
Other foreign.....	3	4	....	....	1	2	2	2	6	2	39
<i>Locality, Wards.</i> —											
I.....	25	23	....	....	39	27	19	36	27	31	277
II.....	6	7	....	....	4	4	4	6	5	5	73
III.....	15	13	....	....	14	10	20	34	20	27	211
IV.....	11	14	....	....	5	19	10	8	16	13	136
V.....	19	20	....	....	17	15	5	15	22	17	189
VI.....	10	9	....	....	8	9	11	10	5	7	109
VII.....	13	9	....	....	15	13	19	16	20	17	195
VIII.....	16	19	....	....	18	10	21	17	24	11	200
IX.....	27	26	....	....	17	25	28	33	30	23	307
X.....	30	34	....	....	33	37	44	47	45	40	451
Public Institutions.....	3	7	....	....	2	6	11	14	20	14	134
Totals.....	185	177	168	173	169	168	192	232	247	215	2,131

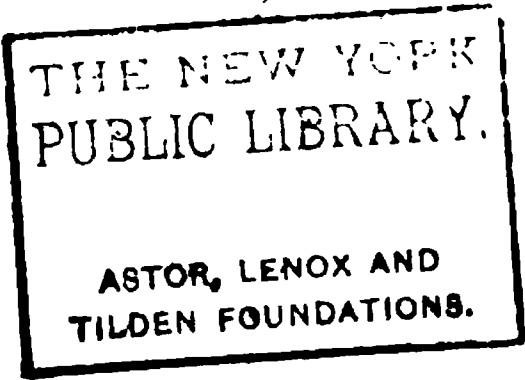
The largest quarterly total in 1882, was 627 in the fourth quarter, the smallest, 506, in the second. In 1881, the smallest quarterly total was in the fourth quarter. The following figures give the number of deaths in each quarter of the year 1882, and of each of the five years preceding; also the aggregate and average numbers for each quarter, in the period of twenty-seven years, 1855-1881 :—

	27 years, 1855-1881.					
	1882.	1881.	1880.	1879.	1878.	1877. Aggregate. Av'rge.
January-March.....	528....	527....	560....	514....	541....	411.... 9,120..... 338
April-June.....	506....	557....	583....	439....	423....	446.... 8,438..... 312
July-September.....	581....	580....	525....	498....	520....	557.... 10,951..... 406
October-December....	627....	481....	463....	580....	505....	530.... 9,206..... 341
Whole Year.....	2,242....	2,145....	2,080....	2,026....	1,989....	1,838.... 37,715..... 1,397

The number and percentage for each quarter of the year 1882, and for the twenty-seven years, 1855-1881, were as follows :—

	1882.		27 years, 1855-1881.	
	Deaths.	Per cent.	Deaths.	Per cent.
January-March	528.....	23.55.....	9,120.....	24.18
April-June.....	506.....	22.57.....	8,438.....	22.37
July-September	581.....	25.91.....	10,951.....	29.04
October-December.....	627.....	27.97.....	9,206.....	24.41
Totals.....	2,242.....	100.00.....	37,715.....	100.00

The following figures give the number and percentage for each quarter of each of the twenty-eight years, 1855-1882 inclusive :—



	January-March.		April-June.		July-Sept.		Oct.-Dec.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1855.....	213.....	21.49.....	208.....	20.99.....	339.....	34.21.....	231.....	23.31
1856.....	308.....	28.92.....	244.....	22.91.....	296.....	27.80.....	217.....	20.37
1857.....	214.....	23.14.....	173.....	18.70.....	286.....	30.92.....	252.....	27.24
1858.....	279.....	27.43.....	278.....	27.34.....	257.....	25.27.....	203.....	19.96
1859.....	213.....	23.69.....	205.....	22.80.....	270.....	30.04.....	211.....	23.47
1860.....	243.....	24.27.....	209.....	20.88.....	297.....	29.67.....	252 ..	25.18
1861.....	240.....	22.84.....	236.....	22.45.....	330.....	31.97.....	239.....	22.74
1862.....	197.....	21.55.....	192.....	21.01.....	271.....	29.65.....	254.....	27.79
1863.....	287.....	23.64.....	248.....	20.43.....	370.....	31.14.....	301.....	24.79
1864.....	302.....	23.58.....	273.....	21.31.....	403.....	31.46.....	303.....	23.65
1865.....	299.....	24.69.....	240.....	19.82.....	372.....	30.72.....	300.....	24.77
1866.....	238.....	23.97.....	218.....	21.04.....	333.....	32.63.....	242.....	23.36
1867.....	258.....	26.88.....	202.....	21.04.....	286.....	29.70.....	214.....	22.29
1868.....	231.....	20.81.....	244.....	21.98.....	310.....	31.17.....	289.....	26.04
1869.....	331.....	26.35.....	250.....	19.90.....	363.....	28.91.....	312.....	24.84
1870.....	331.....	26.20.....	271.....	21.46.....	371.....	29.37.....	290.....	22.97
1871.....	311.....	24.80.....	263.....	20.98.....	355.....	30.70.....	295.....	23.53
1872.....	330.....	20.59.....	364.....	22.71.....	518.....	32.31.....	391.....	24.39
1873.....	427.....	24.84.....	407.....	23.08.....	504.....	29.32.....	381.....	22.16
1874.....	444.....	22.35.....	501.....	25.21.....	556.....	27.98.....	486.....	24.46
1875.....	483.....	25.48.....	401.....	20.94.....	531.....	27.73.....	495.....	25.85
1876.....	383.....	20.54.....	419.....	22.47.....	573.....	30.72.....	490.....	26.27
1877.....	411.....	21.21.....	440.....	22.70.....	557.....	28.74.....	530.....	27.33
1878.....	541.....	27.20 ..	423.....	21.27.....	520.....	26.14.....	505.....	25.39
1879.....	514.....	25.37.....	439.....	21.67.....	493.....	24.33.....	680.....	28.63
1880.....	509.....	26.92.....	533.....	25.63.....	525.....	25.24.....	462.....	22.21
1881.....	527.....	24.57.....	557.....	25.97.....	580.....	27.04.....	481.....	22.42
1882.....	528	23.55.....	506.....	22.57.....	581.....	25.91	627.....	27.97

In the first quarter of 1882, the number of deaths was one more than in the first quarter of 1881, the percentage 1.02 less than in the preceding year. In the second quarter the number and percentage were both considerably less in 1882 than in 1881. In the third quarter, which generally shows the largest number and percentage of the year, the number in 1882 was one more than in 1881, but the percentage 1.13 less. But though this number was the largest quarterly total in 1881, it was not so in 1882; for the epidemic of typhoid fever which prevailed in the last quarter of the year raised the percentage of that quarter to the highest of the year; the number was the largest ever recorded for the fourth quarter, and the percentage larger than in any year except 1879.

DEATHS: SEX, PARENTAGE AND CONDITION. 37

Sex and Parentage. The 2,242 decedents of 1882, were divided as follows as to sex and parentage :—

American parentage.....	465 males.....	500 females.....	total, 965
Foreign parentage..	615 males.....	662 females.....	total, 1,277
<hr/>			
Totals	1,080 males.....	1,162 females.....	total, 2,242

There were 82 more females than males among the decedents ; 35 of American and 47 of foreign parentage. There were 312 more decedents of foreign than of American parentage ; 150 males and 162 females.

The number of decedents of each sex in the twenty-eight years, 1855–1882 inclusive, was 19,549 males and 20,408 females ; total 39,957.

Condition. The number of married persons who died in 1882, was 753 ; 301 of American and 452 of foreign parentage ; it was 84 more than those of the same class in 1881.

The number of single decedents in 1882, 1,151, was 30 less than in 1881 ; they were 487 of American and 664 of foreign parentage.

The number of decedents who were widows was 226, or 16 more than in the preceding year ; they were 116 of American, and 110 of foreign parentage.

The number of widowers who died was 96 ; 21 more than in the preceding year ; 47 of American, and 49 of foreign parentage.

The number of divorced persons who died in 1882, was 16 ; this was 6 more than in 1881 ; 14 were of American, and 2 of foreign parentage.

Color. There were 2,147 white decedents in 1882 ; 874 of American, and 1,273 of foreign parentage ; it was 109 more than the number in 1881. The number of colored decedents in 1882, was 95, or 12 less than in the preceding year. Of these 95 decedents, 4 were of foreign parentage. There were 2,692 white children born in 1882 ; as there were 2,147 white decedents, the proportion of births to deaths in this class was 100 to 79.8. The number of colored children born in 1882, was 96 ; the number of colored decedents 95 ; the proportion of births to deaths, 100 to 98.9. In the twenty-eigh

years, 1855–1882, the whole number of colored children born was 2,155 ; the number of colored decedents in the same time was 2,251 ; the proportion of births to deaths, 100 to 104.5.

Nativity and Parentage. The decedents in Providence are always registered under both of these classes, and the figures of table XII. show how great is the difference between the two. Thus the number of decedents in 1882, who were natives of the United States, was 1,586 or 70.74 per cent. of all ; the number of American *parentage* was 965, or 43.04 per cent. The number of American *nativity* was 36 less than in 1881 ; the percentage, 4.88 less ; the number of American *parentage* was 34 less than in the previous year, and the percentage 3.58 less.

The number of decedents of foreign *birth* in 1882, was 656, or 29.26 per cent. of all ; this was 133 more than in 1881, and 4.87 per cent. more. The number of foreign *parentage* was 1,277, or 56.96 per cent. of all decedents ; it was 131 more than in 1881, and the percentage 3.52 more.

The 17 decedents who were natives of “ other countries ” than those named in the table, were as follows : 6 were born in Italy ; 5 in Sweden ; 2 each in Russia and Denmark ; and one each in France and Norway.

The 39 decedents of “ other foreign ” *parentage*, were as follows : Italian, 13 ; Swedish, 11 ; Danish, 4 ; French, 3 ; Russian, Austrian and Norwegian, 2 each ; Polish and West Indian, 1 each.

Locality. Table XII. gives the number of deaths in each ward and in Public Institutions in each month of the year. The number of deaths in the first ward in 1882, was 5 less than in 1881 ; in the second ward, 25 less ; in the third, 13 more ; in the fourth, 4 more ; in the fifth, 22 less ; in the sixth, 14 less ; in the seventh, 10 more ; in the eighth, 15 less ; in the ninth, 45 more ; in the tenth, 87 more ; in Public Institutions, 19 more.

The following was the number of decedents, according to *parentage*, in each ward :

DEATHS: LOCALITY AND AVERAGE AGE.

39

Wards.	American.	Foreign.	Wards.	American.	Foreign.
I.....	122.....	155	VI.....	63.....	37
II.....	61.....	12	VII.....	83.....	112
III.....	85.....	126	VIII.....	112.....	88
IV.....	64	62	IX.....	157.....	150
V.....	70.....	98	X.....	97	354
			Public Institutions	51.....	83
Whole city.....				965.....	1,277

The number of deaths in Public Institutions in 1882, and in each of the two years preceding, was as follows :—

	1882.	1881.	1880.
Rhode Island Hospital.....	76	53	40
Butler Hospital.....	22	18	8
Dexter Asylum.....	15	21	13
Home for Aged Men.....	1	0	1
Home for Aged Women	5	3	7
Children's Home.....	1	0	0
Children's Hospital and Nursery.....	0	0	6
B. C. Orphan Asylum.....	3	2	3
B. C. Convent.....	1	2	1
Reform School.....	2	1	0
Little Sisters' Home for the Poor.....	6	1	0
Friends' School.....	0	6	0
Shelter for Colored Children.....	0	3	0
Hotels.....	1	4	0
Police Station.....	1	1	1
Total.....	134	115	80

Aggregate and Average Age. Table XIII. shows the number of deaths, and the aggregate and average age of the decedents, according to parentage, for each month, and for the whole year 1882 :—

TABLE XIII. DEATHS, 1882.

Aggregate and average age, by parentage.

MONTHS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January	86	3,328	38.69	99	3,235	32.67	185	6,563	35.46
February	88	3,656	42.47	89	2,835	31.85	177	6,491	36.67
March.....	71	2,562	36.08	95	2,881	30.32	166	5,443	32.79
April.....	63	2,146	34.06	109	3,763	34.52	172	5,909	34.35
May	73	3,058	41.89	96	3,558	37.04	169	6,616	39.14
June.....	65	2,237	34.41	100	3,202	32.02	165	5,439	33.51
July.....	76	1,775	23.36	116	2,678	23.09	192	4,453	23.19
August	94	2,326	24.74	128	2,935	22.93	222	5,261	23.70
September.....	71	2,171	30.58	96	2,533	26.38	167	4,704	28.17
October.....	75	2,496	33.29	90	2,808	31.20	165	5,303	32.14
November	108	3,284	30.41	139	4,514	32.47	247	7,798	31.57
December	95	3,503	37.93	120	3,720	31.08	215	7,223	33.59
Whole Year.....	965	32,541	33.72	1,277	38,750	30.34	2,242	71,291	31.80

The average age of all decedents in 1882, was 31.80 years; 0.89 years more than in 1881.

The average age of decedents of American parentage, was 33.72 years, or 0.44 years less than in 1881; of decedents of foreign parentage, the average age in 1882, was 30.34 years, which was 2.26 years more than in 1881, and was the highest average age ever recorded for decedents of foreign parentage, as may be seen by reference to table XV.

In comparing 1882 with the previous year we find the following differences in the several months. Among the decedents of American parentage, there were six months of 1882 when the average age was greater than in 1881; namely: January, February, May, July, August and September; in February and May, the average was very

much greater ; in the other six months of the year the average age in 1882 was less than in 1881 ; in June, November and December, very much less.

Among the decedents of foreign parentage, there were eight months in 1882 when the average age was greater than in 1881 ; in May and June, October and November, considerably greater ; in the remaining four months, the average age was less than in the preceding year.

Table XIV. gives the same statistics for the twenty-seven years, 1856-1882 :—

TABLE XIV. DEATHS, TWENTY-SEVEN YEARS, 1856-1882.

Recapitulation. Aggregate and Average Age by Parentage.

TWENTY-SEVEN YEARS. 1856-1882.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.	Number of Deaths.	Aggregate Age.	Average Age.
January	1,704	58,907	34.57	1,578	41,484	26.29	3,282	100,391	30.59
February.....	1,558	53,424	34.29	1,472	34,952	23.74	3,030	88,376	29.17
March.....	1,607	56,786	35.34	1,516	38,645	25.49	3,123	95,431	30.56
April	1,563	53,525	34.25	1,607	43,883	27.31	3,170	97,408	30.73
May.....	1,500	54,426	36.28	1,451	38,960	26.85	2,951	93,386	31.65
June.....	1,243	43,248	34.79	1,372	35,147	25.62	2,615	78,395	29.98
July.....	1,696	43,350	25.56	2,068	39,080	18.90	3,764	82,430	21.90
August	1,843	50,348	27.32	2,181	42,073	19.29	4,024	92,421	22.97
September.....	1,587	46,454	29.27	1,818	36,789	20.24	3,405	83,243	24.45
October	1,478	49,248	33.32	1,657	38,887	23.47	3,135	88,135	28.11
November.....	1,537	51,239	33.34	1,642	42,031	25.60	3,179	93,270	29.34
December.....	1,665	60,080	36.08	1,623	43,518	26.81	3,288	103,598	31.51
Totals.....	14,981	521,035	32.72	19,985	475,449	23.79	33,966	1,096,484	28.14

November, 1882, the average age of American decedents was less than that of the foreign class ; this is indicated by prefixing the sign — in the column of “ difference ” to the figures for those months. In the other months of 1882, and in every month in the long period of years, the average age of the American decedents was greater than that of the foreign.

Difference in Years between the Average Age of American and Foreign Decedents.

MONTHS.	1882.			. 27 years, 1856-1882.		
	Average Age.		Difference.	Average Age.		Difference.
	American.	Foreign.		American.	Foreign.	
January	38.69	32.67	6.02	34.57	26.29	8.28
February.....	42.47	31.85	10.62	34.29	23.74	10.55
March.....	36.08	30.32	5.76	35.34	25.49	9.85
April.....	34.06	34.52	—0.46	34.25	27.31	6.94
May.....	41.89	37.04	4.85	36.28	26.85	9.43
June.....	34.41	32.92	1.49	34.79	25.62	9.17
July.....	23.35	23.69	0.28	25.56	18.90	6.66
August.....	24.74	22.98	1.81	27.32	19.29	8.03
September.....	30.58	26.38	4.20	29.27	20.24	9.03
October.....	33.29	31.20	2.09	33.32	23.47	9.85
November.....	30.41	32.47	—2.06	33.34	25.60	7.74
December.....	37.93	31.00	6.93	36.08	26.81	9.27
Whole Year....	33.72	30.34	3.38	32.72	23.79	8.93

In the month of February the difference between the two classes was greater in the single year than in the long period of years ; in all the other months it was greater in the long period of time.

In the year 1882, the largest number of deaths in one month in both classes of decedents, was in November ; of Americans, 108 ; of foreign, 139 ; the smallest monthly total of American decedents, was 63 in April ; of foreign, 89 in February.

In the twenty-seven years, 1856–1882, the largest monthly total for both classes was in August; American, 1,843; foreign, 2,181; the smallest in June; American, 1,243; foreign, 1,372. The percentages of all the deaths in the different quarters of the year, according to parentage, for the period of twenty-seven years, 1856–1882, were as follows:—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American parentage.....	25.65.....	22.68.....	27.01.....	24.66
Foreign parentage.....	22.85.....	22.16.....	30.36.....	24.63

Table XV. gives the number of decedents, and the aggregate and average age, according to parentage, in each of the twenty-seven years, 1856–1882, inclusive, and for the whole period:—

DEATHS: AGGREGATE AND AVERAGE AGE.

THE NEW YORK
PUBLIC LIBRARY

TABLE XV. DEATHS, 1856-1882.

ASTOR, LENOX AND
TILDEN FOUNDATIONS.*Recapitulation. Aggregate and average age by parentage.*

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.	Deaths.	Aggregate Years.	Average Years.
1856.....	541	14,554	26.90	524	8,258	15.75	1,065	22,812	21.42
1857.....	523	16,314	31.19	402	8,007	19.91	925	24,321	26.29
1858.....	512	15,910	31.07	505	8,478	16.78	1,017	24,388	23.98
1859.....	479	14,993	31.30	420	8,640	20.57	899	23,633	26.28
1860.....	512	16,600	32.54	489	9,751	19.94	1,001	26,411	26.38
1861.....	538	16,327	30.34	513	9,605	18.72	1,051	25,932	24.67
1862.....	460	14,589	31.71	454	10,994	24.21	914	25,583	28.00
1863.....	597	19,398	32.49	617	13,757	22.29	1,214	33,155	27.31
1864.....	649	21,732	33.48	632	11,365	17.98	1,281	33,097	25.83
1865.....	631	19,628	31.10	580	11,991	20.67	1,211	31,619	26.11
1866.....	513	18,906	36.85	523	12,702	24.40	1,036	31,668	30.57
1867.....	528	19,258	36.47	432	12,149	28.12	960	31,407	32.72
1868.....	596	21,779	36.54	514	12,539	24.39	1,110	34,318	30.92
1869.....	627	20,490	32.68	629	14,776	23.49	1,256	35,266	28.08
1870.....	642	21,078	32.83	621	14,393	23.18	1,263	35,471	28.08
1871.....	643	22,725	35.34	611	17,005	27.83	1,254	39,730	31.68
1872.....	832	27,572	33.14	771	19,160	24.88	1,603	46,732	29.15
1873.....	862	28,675	33.27	857	19,061	22.24	1,719	47,736	27.77
1874.....	885	27,588	31.17	1,102	24,802	22.51	1,987	52,390	26.37
1875.....	914	30,419	33.28	1,001	24,302	24.28	1,915	54,721	28.57
1876.....	875	29,025	33.17	990	23,959	24.20	1,865	52,984	28.41
1877.....	908	28,353	31.22	1,030	25,410	24.67	1,938	53,763	27.74
1878.....	839	26,724	30.06	1,100	25,178	22.89	1,939	51,902	26.09
1879.....	941	29,896	31.77	1,085	28,446	26.22	2,026	58,342	28.80
1880.....	920	31,775	34.54	1,160	29,729	25.63	2,080	61,504	29.57
1881.....	999	34,126	34.16	1,146	32,182	28.08	2,145	66,308	30.91
1882.....	965	32,541	33.72	1,277	38,750	30.34	2,242	71,291	31.80
27 years' total.....	18,981	621,085	32.72	19,985	475,449	23.79	38,966	1,096,484	28.14

The greatest difference between the average age of the two classes of decedents was 15.50 years in 1864; the least difference, 5.55 years, in 1879. The difference between them in the whole period was 9.33 years.

Table XVI. shows the number and percentage, according to parentage of decedents in different divisions of ages, in 1882, and in the twenty-seven years, 1856-1882 inclusive:—

TABLE XVI. DEATHS, 1882.

Percentage at different ages, according to parentage.

AGES.	American Parentage, 1882.		Foreign Parentage, 1882.		Total American and Foreign, 1882.		27 years, 1856-1882.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
Under 1 year.....	186	19.28	230	18.01	416	18.56	7,540	19.25
1 and under 2.....	61	6.32	68	5.32	129	5.75	3,312	8.50
2 and under 5.....	69	7.15	64	5.01	133	5.93	3,560	9.14
Total under 5.....	316	32.75	362	28.34	678	30.24	14,412	36.89
5 and under 10.....	27	2.80	38	2.96	65	2.90	1,968	5.06
10 and under 15.....	19	1.97	26	2.04	45	2.01	794	2.04
15 and under 20.....	28	2.90	71	5.56	99	4.42	1,301	3.34
20 and under 30.....	86	8.91	168	14.57	272	12.13	3,968	10.23
30 and under 40.....	92	9.53	167	13.08	259	11.55	3,571	9.16
40 and under 50.....	77	7.98	110	8.61	187	8.34	2,971	7.63
50 and under 60.....	74	7.67	96	7.52	170	7.54	2,637	7.28
60 and under 70.....	95	9.84	86	6.73	181	8.07	2,810	7.21
70 and under 80.....	82	8.50	95	7.44	177	7.89	2,650	6.80
80 and under 90.....	55	5.70	33	2.58	88	3.93	1,300	3.54
90 and over.....	14	1.45	7	0.55	21	0.94	284	.73
Total.....	965	100.00	1,277	100.00	2,242	100.00	38,966	100.00

The percentage of decedents of American parentage under five years of age, was 1.08 less in 1882 than in 1881; the percentage of decedents between 5 and 10 years of age, was also less than in the preceding year; but from 10 to 50 years of age the percentage was 5.46 larger in 1882 than in 1881. Of the decedents of fifty years and over, the percentage in 1882, was 2.78 less than in 1881; this accords with the fact stated under table XIII., that the average age of American decedents in 1882, was less than in the preceding year. Of the decedents of foreign parentage in 1882, the percentage under five years of age, was 5.61 less than in 1881; the percentage between 5 and 10 years, was 1.12 less than in the preceding year. From 10 to 50 years of age the percentage in 1882 was 6.42 more than in 1881; of fifty years and over the percentage in 1882 was 0.31 more than in the preceding year. The average age of all foreign decedents was greater in 1882 than in 1881.

The following statement gives the percentage, according to parentage, of the decedents under five years old, in each of the twenty-seven years, 1856–1882, inclusive:—

	American. Under five years.	Foreign. Total Under five years.	American & Foreign. Under five years.
1856.....	37.15 per cent.....	54.95 per cent.....	45.91 per cent.
1857.....	32.31 per cent.....	51.74 per cent.....	40.75 per cent.
1858.....	35.35 per cent.....	55.44 per cent.....	45.33 per cent.
1859.....	28.60 per cent.....	48.34 per cent.....	37.82 per cent.
1860.....	32.81 per cent.....	48.87 per cent.....	40.68 per cent.
1861.....	35.87 per cent.....	52.63 per cent.....	44.05 per cent.
1862.....	31.08 per cent.....	42.07 per cent.....	36.54 per cent.
1863.....	26.47 per cent.....	46.84 per cent.....	37.81 per cent.
1864.....	28.81 per cent.....	51.11 per cent.....	39.82 per cent.
1865.....	29.95 per cent.....	46.37 per cent.....	37.82 per cent.
1866.....	23.78 per cent.....	40.53 per cent.....	33.24 per cent.
1867.....	24.05 per cent.....	36.35 per cent.....	29.59 per cent.
1868.....	27.25 per cent.....	43.19 per cent.....	31.69 per cent.
1869.....	30.78 per cent.....	43.24 per cent.....	37.02 per cent.
1870.....	31.00 per cent.....	43.67 per cent.....	36.72 per cent.
1871.....	28.62 per cent.....	36.01 per cent.....	32.22 per cent.
1872.....	30.89 per cent.....	40.00 per cent.....	35.27 per cent.
1873.....	30.39 per cent.....	43.05 per cent.....	36.71 per cent.
1874.....	34.02 per cent.....	43.55 per cent.....	39.31 per cent.
1875.....	32.05 per cent.....	40.96 per cent.....	36.68 per cent.
1876.....	34.29 per cent.....	43.13 per cent.....	38.98 per cent.
1877.....	32.93 per cent.....	41.26 per cent.....	37.36 per cent.
1878.....	36.78 per cent.....	42.64 per cent.....	40.02 per cent.
1879.....	32.94 per cent.....	37.24 per cent.....	35.25 per cent.
1880.....	33.80 per cent.....	36.21 per cent.....	35.15 per cent.
1881.....	33.83 per cent.....	33.93 per cent.....	33.90 per cent.
1882.....	32.75 per cent.....	23.34 per cent.....	30.24 per cent.

In the forty-three years, 1840-1882 inclusive, there were 52,111 decedents in Providence, of whom 20,147 were less than five years old; the number and percentage in each division of age under five years were as follows:—

Whole number of decedents.....		52,111
Under one year.....	10,045	or 19.27 per cent. of all.
One and under two years.....	5,085	or 9.78 per cent. of all.
Two and under five years	5,007	or 9.61 per cent. of all.
Total under five years.....	20,147	or 38.66 per cent. of all.

Table XVII. shows the number and percentage of decedents in different divisions of age, according to parentage, in the aggregate for the twenty-seven years, 1856-1882 inclusive:—

TABLE XVII. DEATHS, 1856-1882.

Number and percentage at different ages, according to parentage.

AGES.	American Parentage, 27 years, 1856-1882.		Foreign Parentage, 27 years, 1856-1882.		American & Foreign Parentage, 27 years, 1856-1882.	
	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.
Under 1 year.....	3,345	17.62	4,195	20.99	7,540	19.35
1 and under 2	1,230	6.48	2,082	10.42	3,312	8.50
2 and under 5.....	1,465	7.72	2,095	10.48	3,500	9.14
Total under 5.....	6,040	31.82	8,372	41.89	14,412	36.90
5 and under 10.....	958	5.05	1,010	5.05	1,968	5.05
10 and under 15.....	410	2.16	384	1.92	794	2.04
15 and under 20.....	637	3.36	664	3.33	1,301	3.34
20 and under 30.....	1,718	9.05	2,270	11.36	3,988	10.23
30 and under 40.....	1,651	8.70	1,920	9.61	3,571	9.16
40 and under 50.....	1,436	7.57	1,535	7.68	2,971	7.63
50 and under 60.....	1,540	8.11	1,207	6.49	2,737	7.29
60 and under 70.....	1,650	8.69	1,160	5.80	2,810	7.21
70 and under 80.....	1,737	9.15	913	4.57	2,650	6.80
80 and under 90.....	1,019	5.37	301	1.81	1,380	3.54
90 and over.....	185	.97	99	.50	284	.73
Totals.....	18,981	100.00	19,965	100.00	38,906	100.00

The percentage of American decedents under five years of age in 1882, was less than it had been since 1875; and the percentage of foreign decedents under five years old was much smaller than was ever before recorded, and was 4.41 per cent. less than the same class of American decedents; a thing which has never occurred before in the twenty-seven years in which the records have been kept. We may see from table XVII. how much the foreign class exceeds the American as a general rule. In the twenty-seven years, 1856–1882, the number of foreign decedents under five years of age, was 2,332 more than the American, and the percentage 10.07 more. The percentages of American decedents of advanced age are much larger than those of the foreign class; the highest percentage of American decedents, beyond five years, was 9.15 between 70 and 80 years old; while the highest percentage of decedents of foreign parentage was 11.36 between 20 and 30 years old. The number of American decedents living beyond the age of 50 years, was 6,131; the percentage 32.29; the number of foreign, 3,830, and the percentage 19.17. This agrees with the facts shown by tables XIII. and XIV., that the average age of American decedents is greater than that of the foreign; in the twenty-seven years it was 8.93 years more.

The proportion of children of American parentage under 5 years old who died in 1882, (Table XVI.) was 0.93 more than the percentage of the same class for the twenty-seven years, 1856–1882, (Table XVII.); the proportion of American decedents of 60 years and over in 1882, was 1.31 more than in the term of years. Of foreign decedents the proportion under 5 years old in 1882, was 13.55 less than in the period of 27 years; the proportion of those over 60 years of age in 1882, was 4.62 more.

Deaths by age and parentage in each month and quarter of the year.

Table XVIII. gives the number of deaths at each age, according to parentage, in each month and quarter of the year, thus showing the comparative mortality in the two classes of parentage. The whole number of deaths was 2,242; 965 of American, and 1,277 of foreign parentage; these occurred in the different quarters as follows:—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American Parentage.....	25.89.....	20.83.....	21.97.....	28.81
Foreign Parentage.....	22.16.....	23.88	26.63.....	27.33

Among both classes of decedents the largest percentage was in the fourth quarter of the year, owing to the epidemic of typhoid fever which prevailed in the city at that season.

There were 186 children of American parentage under one year old, who died in 1882 ; this was 20 less than in 1881, and was 19.27 per cent. of all the decedents of American parentage ; of these 186 children, 83, or 43.01 per cent. died in the third quarter of the year ; the whole number of American decedents in the third quarter, was 241 ; the 83 children under one year old made 34.44 per cent. of this number.

Of decedents of foreign parentage, the number under one year, was 230 ; 21 more than in 1881, and 18.01 per cent. of all foreign decedents. Of these 230 children, 116, or 50.43 per cent. died in the third quarter of the year ; and these 116 were 67.65 per cent. of all the foreign decedents in the third quarter.

Causes of death, sex, age, parentage, and percentage from known causes. Table XIX. (pages 52-58) gives the number of deaths in 1882 from each cause, in each division of age ; also the total number from each cause, according to sex and parentage, and the percentage from each cause of all from *known* causes.

Season and disease. Table XX. (pages 59-60) gives the number of deaths from certain prominent causes, in each month and quarter of the year, showing the comparative mortality from different diseases at different seasons.

TABLE XVIII. *Deaths by age and parentage in each month and quarter, 1882.*

DIVISIONS OF THE YEAR.	DIVISIONAL PERIODS OF LIFE.														All ages.
	Under 1.	1 to 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	
January.....	11	9	8	....	3	1	2	6	6	11	10	9	9	2	88
February.....	10	8	7	....	2	2	2	12	4	9	10	10	6	2	88
March.....	11	6	2	2	1	2	3	6	8	4	6	8	4	1	71
1st quarter.....	32	18	17	4	6	5	18	24	18	24	26	27	19	6	246
April.....	9	6	6	1	1	2	7	6	4	6	6	4	4	1	63
May.....	10	6	2	....	....	1	7	2	7	0	12	6	6	2	73
June.....	13	1	4	5	2	1	2	9	6	4	7	9	2	....	66
2d quarter.....	31	13	12	6	3	3	16	23	17	16	25	19	13	3	261
July.....	23	8	13	....	1	1	2	5	4	6	2	3	7	....	76
August.....	37	6	8	2	....	3	6	9	4	4	5	7	6	....	94
September.....	21	5	3	1	1	....	7	2	10	4	9	2	2	2	71
3d quarter.....	81	19	20	3	2	4	13	17	18	14	16	12	16	2	241
October.....	12	7	5	4	1	2	4	6	9	6	9	9	2	....	78
November.....	12	2	7	0	5	11	23	9	6	6	2	6	4	1	108
December.....	16	2	6	4	2	1	8	9	9	9	12	9	5	1	95
4th quarter.....	44	11	20	14	8	14	37	24	24	21	28	24	11	2	276
Whole year.....	186	61	69	27	15	23	68	92	77	74	95	82	53	13	965

TABLE XIX. DEATHS, 1882. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.											PERCENTAGE.			Ratio of deaths from each cause to whole number of known causes.				
	Males.	Females.	Total.	Under 1 Year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.		90 and over.	American.	Foreign.	Total.
Accidents, (various).....	18	7	25	4	..	..	2	1	4	1	1	1	3	2	5	1	1	11	14	25	1.13
" Asphyxia.....	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	.04
" Burns and Scalds.....	5	4	9	..	2	1	1	..	1	1	1	1	2	..	..	..	..	2	6	9	.40
" Drowning.....	8	2	10	..	..	2	1	2	1	2	..	1	1	..	..	..	..	1	2	10	.45
" Falls.....	14	8	22	..	..	2	1	1	2	2	2	2	4	3	2	..	..	9	13	22	.99
" Poisoning.....	2	1	3	..	..	..	..	..	..	1	2	..	..	..	..	..	..	2	1	3	.13
" Railroad	6	..	6	..	..	..	2	..	2	1	1	..	1	..	..	..	..	2	4	6	.27
Shooting	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	.04
Abscesses.....	..	7	7	1	..	..	..	..	2	..	..	..	2	2	..	..	..	2	5	7	.31
Anæmia.....	..	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	.04
Aneurism of Aorta.....	2	..	2	..	..	..	..	..	..	1	1	1	..	..	..	..	..	1	1	2	.00
Apoplexy.....	49	40	89	..	..	..	..	..	4	3	3	13	18	23	20	6	2	63	84	89	3.98
Asthma.....	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	.04
Bladder, Diseases of.....	6	2	8	..	..	..	..	..	..	2	2	1	..	2	2	1	..	2	6	8	.36
Bones, Disease of.....	..	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	.04
Brain, Diseases of.....	8	10	18	1	..	2	1	1	..	..	3	3	1	1	6	2	..	13	5	18	.81
" Congestion of.....	2	6	11	2	1	4	..	..	..	..	..	..	1	..	1	1	..	2	3	11	.49

TABLE XIX.—CONTINUED. DEATHS, 1882. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.											PARENTAGE.			Ratio of deaths from each cause to whole number from known causes.					
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.		90 and over.	American.	Foreign.	Total.	
Brain, inflammation of.....	21	25	46	11	11	7	1	2	2	4	7	...	1	...	...	...	...	16	30	46	2.06
Bronchitis.....	21	39	60	25	4	5	1	2	9	8	5	1	24	36	60	2.68
Cancer, (various).....	9	14	23	...	...	...	...	...	...	...	4	5	3	4	7	...	...	14	9	23	1.30
“ of Breast .....	...	10	10	...	...	...	...	...	...	...	2	1	3	2	1	1	...	6	4	10	.45
“ of Stomach.....	5	3	8	...	...	...	...	...	...	...	...	1	2	2	1	1	...	3	5	8	.36
“ of Uterus.....	...	11	11	...	...	...	...	...	...	...	1	5	...	5	...	...	...	8	3	11	.49
Carbuncle.....	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	.04
Catarrh.....	...	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	1	.04
Cellulitis Pelvic.....	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	1	.04
Child-birth.....	...	7	7	...	...	...	...	...	...	5	2	...	...	...	...	...	...	1	6	7	.31
“ Puerperal Convulsions.....	...	2	2	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	2	2	.09
“ Puerperal Fever.....	...	18	18	...	...	...	...	...	1	11	5	1	...	...	...	...	...	7	11	18	.51
Cholera Infantum.....	66	64	130	108	19	3	...	...	...	...	...	...	...	...	...	...	...	50	80	130	5.63
“ Morbus.....	5	8	13	1	...	...	...	1	...	...	...	1	3	5	1	1	...	2	11	13	.56
Colic.....	2	1	3	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	3	3	.13
Colitis.....	1	4	5	3	...	...	...	...	...	...	...	...	...	1	1	...	...	2	3	5	.33
Consumption.....	106	135	241	2	2	2	5	1	36	116	84	43	23	25	10	2	...	113	238	351	15.73	

CAUSES OF DEATH.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.											PARENTAGE.		Ratio of deaths from each cause to whole number from known causes.						
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	2 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.		80 to 90.	90 and over.	American.	Foreign.	Total.	
Metritis.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.04
Murder.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	1	1	2	.09
Neglect and Starvation.....	1	1	2	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	.09
Neuralgia.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	1	.04
Old Age.....	29	50	79	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	21	41	14	40	39	79	79	3.54
Paralysis.....	12	13	25	.....	.....	1	.....	.....	.....	.....	5	8	3	4	7	2	...	13	12	25	25	1.12
“ Locomotor Ataxia.....	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	1	.....	.....	2	1	3	3	.13
Peritonitis.....	9	8	17	1	.....	.....	.....	.....	.....	7	4	2	.....	8	.....	.....	.....	8	9	17	17	.76
Pleurisy.....	1	2	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	1	.....	2	1	3	3	.13
Pneumonia.....	86	74	170	16	10	9	2	3	7	10	26	27	20	14	23	3	1	63	107	170	170	7.61
“ Congestion of Lungs.....	2	4	6	2	.....	.....	.....	.....	.....	1	.....	.....	.....	3	.....	.....	.....	3	3	6	6	.27
Prostate, Disease of.....	3	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	3	.....	3	3	.13
Purpura Hemorrhagica.....	.....	3	3	1	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2	1	3	3	.13
Pyæmia.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	1	1	.04
Rheumatism.....	3	5	8	.....	.....	.....	.....	.....	.....	1	2	2	1	1	1	.....	.....	2	6	8	8	.36
Scarlatina.....	12	6	18	1	2	10	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7	11	18	18	.81
Scrofula.....	2	1	3	.....	.....	.....	.....	1	1	.....	.....	1	.....	.....	.....	.....	.....	.....	3	3	3	.13
Skin, Disease of.....	1	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	.04
Spine, Diseases of.....	3	4	7	.....	.....	1	1	1	1	.....	1	1	1	1	.....	.....	.....	3	4	7	7	.31

causes, sex, age, parentage, and percentage from known causes.

TABLE XIX.—CONTINUED. DEATHS, 1882. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.										PARENTAGE.			Ratio of deaths from each cause to whole number.		
	Males.	Females.	Total.	Under 1 year.	1 and under 2.	5	10	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	American.	Foreign.		Total.	
Spine, Pott's Disease of.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	.09
Stomach, Diseases of.....	5	2	7	1	1	1	1	1	1	1	1	1	1	1	1	1	7	.26
Stomach, Inflammation of.....	5	11	16	1	1	1	1	1	1	1	1	1	1	1	1	1	16	.73
Scalds.....	3	4	7	1	1	1	1	1	1	1	1	1	1	1	1	1	7	.34
Syncope.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.04
Syphilis.....	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3	.09
" Congenital.....	2	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3	.31
Tubes Mesenterics.....	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	3	.18
Teething.....	10	6	16	10	6	1	1	1	1	1	1	1	1	1	1	1	16	.73
Tetanus and Tris. Nascentium.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.09
Tuberculosis.....	7	5	12	3	1	1	1	1	1	1	1	1	1	1	1	1	12	.54
Tumor.....	3	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	5	.27
Ulcer.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.04
Uremia.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.04
Uterus, Diseases of.....	4	4	8	2	2	1	1	1	1	1	1	1	1	1	1	1	8	.19
Unknown.....	2	2	4	2	2	1	1	1	1	1	1	1	1	1	1	1	4	.19
" Sudden.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	.09

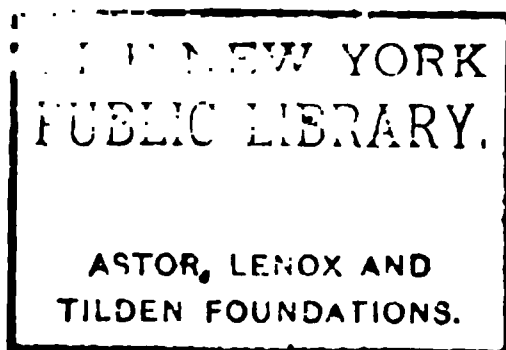
Continued.

TABLE A.A. DEATHS, 1882. Season and Disease.

CAUSES OF DEATH.	SEASON AND DISEASE.												Whole Year.				
	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.		October.	November.	December.	Fourth Quarter.
Accidents (all kinds)	8	0	0	5	6	.....	10	16	10	6	5	5	21	8	5	30	77
Apoplexy.....	7	7	4	1	3	6	7	14	6	4	10	20	11	13	13	37	89
Brain, Diseases of.....	0	0	7	21	5	7	8	20	4	7	4	15	5	4	10	19	75
Bronchitis.....	7	7	5	19	4	6	6	16	3	2	3	8	2	2	7	17	60
Cancer (all kinds).....	2	0	2	12	0	3	6	19	2	3	5	10	5	4	6	15	80
Child-birth.....	4	7	7	11	4	1	2	7	.....	1	.....	1	2	2	4	8	27
Cholera Infantum.....	.....	1	.....	3	.....	1	4	5	44	53	10	118	7	1	.....	8	130
Cholera Morbus.....	.....	.....	.....	.....	.....	.....	.....	.....	6	4	2	12	.....	.....	1	1	15
Consumption.....	24	25	25	104	55	59	30	94	25	31	19	70	25	24	31	80	351
Convulsions.....	6	3	3	11	2	8	7	10	5	5	2	18	3	5	9	30	82
Fevers.....	6	1	4	10	4	1	.....	5	1	.....	.....	1	5	8	3	16	35
.....	1	1	1	2	.....	.....	2	2	9	14	8	31	3	2	.....	5	41
.....	7	3	4	14	3	1	3	6	5	1	1	7	1	7	13	21	60
.....	.....	8	.....	2	.....	.....	1	.....	1	6	4	11	5	4	.....	9	23
.....	4	0	2	13	2	0	4	12	4	7	14	19	1	3	5	6	40
.....	2	1	2	6	4	1	5	7	.....	.....	.....	10	1	.....	1	1	14
.....	4	2	3	9	1	0	3	12	.....	4	6	13	8	70	25	106	130
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	2	.....	3	5
M.....	13	16	10	57	13	14	18	44	4	7	8	19	15	16	11	42	113
.....	2	0	0	13	2	0	3	13	5	8	3	10	1	2	3	5	40
.....	2	.....	.....	.....	.....	.....	.....	7	1	1	1	3	6	1	2	10	28

TABLE XX.—CONTINUED. DEATHS, 1882. Season and Disease.

CAUSES OF DEATH.	January.	February.	March.	First Quarter.	April.	May.	June.	Second Quarter.	July.	August.	September.	Third Quarter.	October.	November.	December.	Fourth Quarter.	Whole Year.
Insanity	2	1	1	3	3	3	3	3	2	1	2	5	5	...	1	1	13
Intemperance.....	3	2	1	2	2	2	...	4	1	1	1	3	2	2	1	6	18
Kidneys, Diseases of.....	7	6	4	17	8	6	2	16	3	4	3	10	3	1	5	9	53
Liver, Diseases of.....	1	...	4	5	2	2	1	5	3	3	...	6	4	1	3	8	24
Marasmus.....	2	1	4	7	3	2	2	7	5	4	7	16	5	4	...	9	39
Measles.....	...	...	...	...	...	1	1	1	...	...	...	...	...	...	3	3	4
Meningitis, Cerebro-Spinal.....	...	1	2	3	1	...	2	3	2	...	2	4	1	1	2	4	14
Old Age.....	9	8	7	21	3	9	3	15	7	7	4	18	6	9	8	22	79
Paralysis.....	2	5	...	7	6	2	3	11	1	4	1	6	1	1	2	4	28
Peritonitis.....	2	...	1	3	...	3	2	5	2	2	1	5	...	3	1	4	17
Pneumonia and Congestion of Lungs.....	17	18	21	56	28	19	14	61	6	1	9	16	4	19	20	43	176
Rheumatism.....	2	...	...	2	...	1	...	1	...	1	1	2	2	1	...	3	8
Scarlatina.....	2	3	1	6	1	3	2	6	...	2	...	3	...	1	3	4	16
Stomach, Diseases of.....	4	1	...	5	5	...	...	5	3	3	1	7	1	4	2	7	24
Suicide.....	...	3	2	5	1	1	1	2	...	...	1	1	1	1	2	4	13
Teething.....	1	...	2	3	...	1	1	2	3	1	2	6	4	...	1	5	16
Tuberculosis.....	...	3	...	3	1	1	1	3	2	1	1	4	1	1	...	2	12
Unknown.....	...	...	1	1	1	4	...	6	2	1	...	3	1	...	...	1	10
Other Causes as given.....	12	13	17	42	13	12	14	39	15	27	14	60	16	15	10	80	191
Total.....	143	157	167	424	174	197	195	444	199	324	197	441	192	247	212	442	1,442



NOTES ON THE CAUSES OF DEATH,

DURING THE YEAR 1882.

The following pages comment on the figures in Tables XIX. and XX.; additional statistics are also given here, which could not be presented in those tables; and compared with the statistics of previous years.

The percentage of deaths is always reckoned on the number from *known* causes.

The whole number of deaths in Providence in 1882 was 2,242, of which there were 10, or 0.45 per cent., for which the cause was not stated; the number from *known* causes, and on which the percentages are reckoned, was 2,232. The number of which the cause was not given was 5 less than in 1881, and the percentage, 0.25 less.

During the twenty-seven years, 1856–1882, the whole number of deaths was 38,966; from unknown causes, 575, or 1.48 per cent.; from known causes, 38,391. In the forty-three years, 1840–1882 inclusive, there were 52,111 deaths; 1,577, or 3.03 per cent. from unknown causes; and 50,534 from known causes.

Table XX. shows the prevalence of different diseases at different seasons. Of diarrhoeal diseases there is always a much larger number in the third quarter of the year than at any other season; while the diseases of the respiratory system prevail much less in this part of the year, and are found largely in the first and fourth quarters. This table shows the extent to which typhoid fever prevailed in the last quarter of 1882; 75.71 per cent. of all the deaths from this disease having been in the last three months of the year.

Abscesses. There were 7 deaths from abscesses in 1882, which was 0.31 per cent. of all from known causes. The number was the

same as in 1881 ; but the per cent., 0.02 less. Of two the location was not specified ; the others were as follows ; two of the pelvis, and one each of the jaw, neck and spine. The statistics as to sex and parentage are :—

Males, 0 ; females, 7 ; total, 7 ; or 0.81 per cent. of all.

American parentage, 2 ; foreign parentage 5.

For the twenty-seven years, 1856–1882, the figures are :—

Number of deaths from all *known* causes, 38,391.

From abscesses, 108 ; or 0.28 per cent. of all.

Males, 51 ; females, 57.

American parentage, 49 ; foreign parentage, 59.

Accidents. The number of deaths from accidents in 1882, was larger than ever before ; it was 77, or 3.44 per cent. of all ; it was 25 more than in 1881 and 1.00 per cent. more. There were 9 deaths from burns or scalds ; 10 from drowning ; 22 from falls ; in 1881 there were only 8 deaths caused by falls ; and in that year all the decedents were over forty years of age, while in 1882 they ranged from two years old to 70 and over ; among these accidents the following may be specified ; two fell down stairs and broke the neck ; one fell on the ice and broke the thigh ; one other fractured the femur and two the spine, it is not stated exactly how ; one each fell from a coal-pocket, a ladder, a staging, the bowsprit of a vessel, a low-gear, and in an elevator well ; four fell from a window or some part of a building, besides the four who jumped from the burning building on Calender street, and died either instantly, or from injuries so received.

There were 3 deaths by poisoning ; one was from morphine taken habitually ; one from an overdose of morphine ; and one from an overdose of gin taken for medicine ; there were 6 deaths by railroad accidents ; and one from wounds by a toy pistol. There were 25 accidents included under the heading various, which were as follows : fracture of the hip, or thigh (probably by a fall), 5 ; fracture of tibia, 1 ; injury to spine, injury of urethra, one each ; injury at birth, three ; thrown from a carriage or cart, 2 ; run over by cart, 2 ; caught in elevator-well, one ; in shaft, one ; in machinery (not specified), one ; hit on the head by the iron door of a cupola, by a lever, by a pick-axe, and by a falling coal-pocket, one each ; head crushed by a safe, one ; kicked by a horse, one ; swallowing a safety-pin, one.

The number of each sex and parentage was as follows :—

Males, 54; females, 23; total, 77; or 3.44 per cent. of all.

American parentage, 29; foreign parentage, 48.

For the twenty-seven years, 1856–1882 :—

Males, 830; females, 285; total, 1,115; or 2.90 per cent. of all.

American parentage, 430; foreign parentage, 685.

Aneurism. There were two deaths from this cause in 1882; one American and one foreign male died of aneurism of the aorta. The statistics for this cause for the twenty-seven years, 1856–1882, are :—

Males, 24; females, 5; total, 29; or 0.08 per cent. of all.

American parentage, 11; foreign parentage, 18.

Apoplexy. The number of deaths from this cause has increased very much in the last few years; the number in 1882 was 89, the largest number ever reported, and 3.98 per cent. of all deaths from known causes; the number was 15 and the per cent. 0.51 more than in 1881. The particulars of sex and parentage are as follows :—

Males, 49; females, 40; total, 89; or 3.98 per cent. of all.

American parentage, 55; foreign parentage, 34.

For the twenty-seven years, 1856–1882 :—

Males, 441; females, 446; total, 887; or 2.31 per cent. of all.

American parentage, 613; foreign parentage, 274.

Further details are given under the head of “Paralysis.”

Brain, Diseases of. The number of deaths reported in 1882 from different diseases of the brain, was 75, or 3.36 per cent. of all; 13 less deaths and 0.78 per cent. less than in 1881. Of these deaths, 11 were specified as “congestion” and 46 as “inflammation of the brain.”

The number of each sex and parentage :—

Males, 34; females, 41; total, 75; or 3.36 per cent. of all.

American parentage, 38; foreign parentage, 37.

For the twenty-seven years, 1856–1882, the statistics are :—

Males, 792; females, 691; total, 1,483; or 3.86 per cent. of all.

American parentage, 772; foreign parentage, 711.

Bronchitis. This was reported as the cause of 60 deaths in 1882; 7 more than in the preceding year. Thirty-four of the decedents were less than five years old; and 23 were over sixty. The particulars of sex and parentage were :—

Males, 21; females, 39; total, 60; or 2.68 per cent. of all.

American parentage, 24; foreign parentage, 36.

The statistics for the twenty-seven years, 1856–1882, are as follows :—

Males, 255; females, 317; total, 572; or 1.49 per cent. of all.

American parentage, 255; foreign parentage, 317.

Cancers. There were 52 deaths caused by cancers in 1882, which was 2.60 per cent. of all; it was 13 less deaths and the rate 0.45 per cent. less than in the preceding year. Of these 52 cases of cancer, 10 were “cancer of the breast;” the same number as in 1881; 8 “cancer of the stomach;” 3 less than in 1881; and 11 “cancer of the uterus;” 5 less than in the preceding year. There were 23 under the head of various; of these, three were not specified and the others were as follows: 5 of the liver; 3 of the face; and one each of the lip and neck, larynx, tongue, abdomen, omentum, bowels, rectum, spleen, ovary, vagina, thyroid gland and inguinal glands.

The following are the numbers for each sex and parentage :—

Males, 14; females, 38; total, 52; or 2.60 per cent. of all.

American parentage, 31; foreign parentage, 21.

For the twenty-seven years, 1856–1882, the numbers are :—

Males, 257; females, 689; total, 946; or 2.46 per cent. of all.

American parentage, 593; foreign parentage, 353.

(Of the 946 decedents, 72.83 per cent. were females; and 62.63 per cent. were of American parentage.)

Child-birth. The number of deaths from child-birth in 1882 was 27, including 2 from puerperal convulsions, and 18 from puerperal fever. The whole number was 2 less than in 1881, and the per cent. 0.15 less. The 27 deaths were 1.21 per cent. of all deaths from known causes, and 0.98 per cent. of the 2,759 mothers bearing children during the year; the decedents were 8 of American, and 19 of foreign parentage. In the twenty-seven years, 1856–1882, there have been 461 deaths from child-birth; 1.20 per cent. of all deaths, and 0.86 per cent. of the 53,981 mothers bearing children during that time; 193 of the decedents were of American, and 268 of foreign parentage.

Cholera Infantum. There were 130 deaths from this cause in 1882; 28 more than in 1881. There have been but three years, when the number of deaths from this disease was greater than in 1882, but several years when the rate was higher. The particulars of sex and parentage are as follows:—

Males, 66; females, 64; total, 130; or 5.82 per cent. of all.

American parentage, 50; foreign parentage, 80.

The following are the statistics of sex and parentage for each of the twenty-seven years, 1856–1882, and for the whole period:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	35.....	23.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	26.....	24.....	50.....	5.56
1858.....	27.....	22.....	18.....	36.....	49.....	4.92
1859.....	14.....	19.....	13.....	20.....	33.....	3.80
1860.....	35.....	33.....	26.....	42.....	68.....	7.09
1861.....	29.....	32.....	25.....	36.....	61.....	6.02
1862.....	25.....	19.....	17.....	27.....	44.....	4.96
1863.....	33.....	30.....	19.....	47.....	66.....	5.56
1864.....	29.....	29.....	18.....	40.....	58.....	4.63
1865.....	20.....	30.....	13.....	37.....	50.....	4.21
1866.....	30.....	17.....	15.....	32.....	47.....	4.44
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	38.....	33.....	23.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.24
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.09
1872.....	72.....	79.....	58.....	93.....	151.....	9.56
1873.....	42.....	50.....	39.....	53.....	92.....	5.41
1874.....	72.....	62.....	44.....	90.....	134.....	6.83
1875.....	62.....	74.....	50.....	86.....	136.....	7.18
1876.....	66.....	56.....	43.....	79.....	123.....	6.59
1877.....	70.....	52.....	43.....	79.....	123.....	6.31
1878.....	25.....	35.....	26.....	44.....	70.....	3.56
1879.....	30.....	29.....	24.....	31.....	59.....	2.92
1880.....	42.....	58.....	41.....	59.....	100.....	4.84
1881.....	58.....	44.....	35.....	67.....	103.....	4.79
1882.....	66.....	64.....	50.....	80.....	130.....	5.82
97 years.....	1,097.....	1,043.....	703.....	1,347.....	2,140.....	5.57

Of the 2,140 decedents, 1,347 or 62.94 per cent. were of foreign parentage.

Cholera Morbus. The number of deaths from this cause in 1882, was larger than usual; it was 13, which was 9 more than in 1881; only in the year 1866, has the number been larger than this; in that year it was 17.

The statistics for 1882, are:—

Males, 5; females, 8; total, 13; or 0.58 per cent. of all.

American parentage, 2; foreign parentage, 11.

In the twenty-seven years, 1856–1882, the whole number of deaths from this cause was 133, or 0.35 per cent. of all.

Consumption. The number of deaths from consumption in 1882, was 351, which was 7 more than in 1881; the rate in 1882 was 15.72, which was 0.43 less than in the preceding year. The particulars of sex and parentage are as follows:—

American parentage.....	males, 57.....	females, 56.....	total, 113
Foreign parentage.....	males, 109.....	females, 129.....	total, 238
Totals.....	males, 166.....	females, 185.....	total, 351

For the twenty-seven years, 1856–1882, the statistics are:—

Whole number of deaths from known causes, 38,391; from consumption, 6,385; or 16.63 per cent. of all. Annual average, 236.

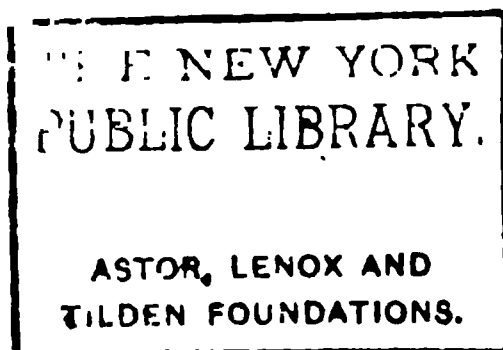
American parentage.....	males, 1,275.....	females, 1,629.....	total, 2,904
Foreign parentage.....	males, 1,638.....	females, 1,813.....	total, 3,451
Total.....	males, 2,913.....	females, 3,442.....	total, 6,355

Males, 45.62 per cent.....females, 54.38 per cent.

American parentage, 45.49 per cent.....foreign parentage, 54.51 per cent.

The population of the city being estimated at 114,377, the death-rate from consumption in 1882 was one in 326 of the inhabitants, or 3.07 in each thousand persons; in 1881 the rate was one in 312, or 3.20 in each 1,000. The average annual rate for the fifteen years, 1840–1854, was one in 209.9; for the twenty-eight years, 1855–1882, it was one in 307.6.

We see from the figures given above that more than fifty per cent. of the decedents from consumption are of foreign parentage. The following figures show the percentage of each class of decedents in each of the last nine years:—



		Deaths from Consumption.			
		American.	Per cent.	Foreign.	Per cent.
1874.....	270.....	106.....	39.26.....	164.....	60.74
1875.....	299.....	114.....	38.13.....	185.....	61.87
1876... ..	284.....	120.....	42.25.....	164.....	57.75
1877.....	291.....	116.....	44.22.....	178.....	55.78
1878.....	305.....	107.....	35.08.....	198.....	64.92
1879.	283.....	116.....	39.59.....	177....	60.41
1880	323.....	111.....	34.47.....	211.....	65.53
1881.....	344.....	116.....	33.72.....	228.....	66.28
1882.....	351.....	113.....	32.19.....	238.....	67.81
Total.....		2,761.....	1,019.....	36.89.....	1,743.....
				63.11	

The following is a statement of the number and percentage, according to parentage, of decedents from consumption, in periods of five years each from 1856 to 1880 inclusive, and for the years 1881 and 1882 :—

	American Parentage.		Foreign Parentage.		Deaths from Consumption.
	Number.	Per cent.	Number.	Per cent.	
1856 to 1860.....	525.....	56.45.....	405.....	43.55.....	930
1861 to 1865.....	493.....	50.77.....	480.....	49.23.....	973
1866 to 1870.....	512 ..	50.57.....	520.....	49.43.....	1,032
1871 to 1875.....	553.....	44.78.....	682.....	55.22.....	1,235
1876 to 1880.....	570.....	38.05.....	928	61.95.....	1,498
1881.....	116.....	33.72.....	228.....	66.28.....	344
1882.....	113.....	32.19.....	238	67.81.....	351
27 years' total.....		2 9 4.....	45.48.....	3,481.....	54.52.....
					6,386

In the report for 1881 a full comparison was made of the number of decedents in each class of parentage and the proportion of each to the population of the corresponding class. It showed that the proportion of decedents to the population of American parentage had decreased steadily during the twenty-six years since 1856; the rate in 1856 being one death in 268.2 of the population; and in 1880 one in 435.2. The ratio among the foreign population has changed but little during the same period; in 1856 it was one in 262.6; in 1880 one in 268.0.

For fuller particulars on this subject, see "City Registrar's Report, 1881," pages 63, 64 and 65.

The following table gives the most important particulars in regard to the decedents from consumption in each of the twenty-seven years, 1856-1882 inclusive :—

DEATHS FROM CONSUMPTION IN PROVIDENCE, TWENTY-SEVEN YEARS, 1856-1882.*Sex; parentage; season; age; whole number, and percentage from known causes.*

Convulsions. There were 52 deaths from convulsions in 1882; 15 more than in 1881. The particulars as to sex and parentage are:—

Males, 24; females, 28; total, 52; or 2.32 per cent. of all.

American parentage, 23; foreign parentage, 29.

For the twenty-seven years, 1856–1882:—

Males, 539; females, 447; total, 986; or 2.56 per cent. of all.

American parentage, 412; foreign parentage, 574.

Croup. The number of deaths from croup in 1882 was 32, which was 17 less than in the preceding year; the rate 1.43 or 0.87 less than in 1881. The deaths in the different quarters of the year were as follows:—

1st quarter.....	10	3d quarter.....	1
2d quarter.....	5	4th quarter.....	16

There were 4 decedents under one year old; 6 between one and two years; 16 between two and five; and 6 between five and ten years. The number of each sex and parentage was:—

Males, 14; females, 18; total, 32; or 1.43 per cent. of all.

American parentage, 14; foreign parentage, 18.

For the twenty-seven years, 1856–1882, the numbers are:—

Whole number of deaths, 848; annual average, 31.

Males, 423; females, 425; total, 848; or 2.21 per cent. of all.

American parentage, 345; foreign parentage, 503.

The following table gives full particulars for each of the twenty-seven years, as to sex, age, parentage, season, locality, color and rate:—

DEATHS FROM GROUP IN PROVIDENCE, TWENTY-SEVEN YEARS, 1856-1882.

M

M

X

Debility. The number of deaths for which this cause was assigned in 1882, was 28, of which 12 were from premature birth ; the number was 6 less than in the preceding year. The statistics of sex and parentage are :—

Males, 20 ; females, 8 ; total, 28 ; or 1.26 per cent. of all.
American parentage, 17 ; foreign parentage, 11.

For the twenty-seven years, 1856–1882.

Whole number of deaths, 662 ; annual average, 25.
Males, 353 ; females, 309 ; total, 662 ; or 1.72 per cent. of all.
American parentage, 280 ; foreign parentage, 382.

Diarrhœa and Dysentery. The number of deaths from these causes in 1882 was 64 ; 7 more than in 1881 ; the rate, 2.86 or 0.18 per cent. more than in the preceding year. The number from each disease was :—

	Males.	Females.	American.	Foreign.	Total.	Per ct.
Acute Diarrhœa.....	20.....	18.....	17.....	21.....	38.....	1.70
Chronic Diarrhœa.....	1.....	2.....	8.....	.....	8.....	0.18
Dysentery.....	11.....	10.....	10.....	11.....	21.....	0.94
Typhoid Dysentery.....	2.....	.....	.....	2.....	2.....	0.09
Total.....	34.....	30.....	80.....	34.....	64.....	2.86

The deaths from other diseases of this same class were as follows :—

	Males.	Females.	American.	Foreign	Total.	Per ct.
Cholera Infantum.....	66.....	64.....	50.....	80.....	130.....	5.82
Cholera Morbus.....	5.....	8.....	2.....	11.....	13.....	0.58
Enteritis.....	12.....	18.....	16.....	14.....	30.....	1.34
Enteritis Gastro.....	14.....	5.....	12.....	7.....	19.....	.85
Total.....	97.....	95.....	80.....	112.....	192.....	8.59

The total number of deaths from all these causes during the year, was as follows :—

Males, 131 ; females, 125 ; total, 256 ; or 11.45 per cent. of all.
American parentage, 110 ; foreign parentage, 146.

The whole number is 74 more than in 1881, and the rate 2.90 more, the number of males, 33 more; of females, 41 more; of American parentage, 36 more; of foreign parentage, 38 more.

The statistics of these diseases for the twenty-seven years, 1856-1882, are as follows:—

Number of deaths, 4,218; annual average, 156.

Males, 2,109; females, 2,109; total, 4,218; or 10.99 per cent. of all.

American parentage, 1,719; foreign parentage, 2,499.

The proportions between the two classes of decedents in 1882 were 132.7 decedents of foreign parentage to each 100 of American parentage; or 57.03 of foreign parentage and 42.97 of American parentage in each 100. Of decedents from *all* causes in 1882 there were 132.3 of foreign to each 100 of American parentage; or 56.96 of foreign, and 43.04 of American parentage in each one hundred.

The following table shows the number of deaths from each of these causes, with the number from the whole class of causes, and their percentage of all from known causes, reported in Providence during the period from 1840 to 1854 inclusive; during each year, from 1855 to 1882 inclusive, and in the aggregate during the whole period of 43 years, 1840 to 1882 inclusive:—

						Per cent.	
	Cholera	Cholera				of all from	
	Infantum.	Morbus.	Diarrhœa.	Dysentery.	Enteritis.	Total.	known causes.
1840-1854....	560.....	63.....	349.....	796.....	102.....	1,870.....	16.77
1855. ..	61.....	4	37.....	38.....	.....	140.....	14.57
1856....	57.....	5.....	29.....	35.....	6.....	132	11.17
1857....	50.....	2.....	38.....	29.....	5.....	124.....	13.40
1858....	49.....	2.....	27.....	12.....	8.....	98.....	9.63
1859....	83.....	1.....	28.....	13.....	4.....	79.....	8.78
1860....	68.....	2.....	21.....	18.....	9.....	118.....	11.78
1861....	61.....	5.....	22.....	32.....	6.....	126.....	11.99
1862....	44.....	1.....	31.....	22.....	9.....	107	11.70
1863 ...	66.....	5.....	35.....	77.....	9.....	192.....	15.81
1864....	58.....	4.....	45.....	40.....	13.....	160.....	12.49
1865....	50.....	7.....	34.....	62.....	4.....	157.....	12.96
1866....	47.....	17.....	28.....	44.....	9.....	145.....	13.99
1867....	49.....	2.....	15.....	43.....	10.....	119.....	12.39
1868....	70.....	3.....	24.....	15.....	8.....	120.....	10.81
1869....	65.....	6.....	24.....	23.....	6.....	124.....	9.87
1870....	83.....	3.....	22.....	16.....	15.....	149.....	11.92
1871....	62.....	6.....	24	16.....	18.....	126	10.15
1872....	151.....	10.....	52.....	85.....	14.....	262.....	16.58
1873 ...	92.....	4.....	37.....	7.....	25.....	163.....	9.69
1874....	134	3.....	50.....	17.....	25.....	229	11.67
1875....	136.....	6.....	36.....	14.....	31.....	223... ..	11.71
1876....	122.....	4.....	40.....	22.....	18.....	206.....	11.13
1877....	122.....	6.....	34.....	21.....	21.....	204	10.56
1878....	70.....	3.....	28.....	11.....	18.....	130.....	6.59
1879...	59.....	5.....	31.....	9.....	16.....	120.....	5.95
1880....	100.....	4.....	30.....	12.....	19.....	163.....	7.98
1881....	102.....	4.....	43.....	14.....	19.....	182.....	8.55
1882....	130.....	13.....	41.....	23.....	49.....	256.....	11.45
years....	2,761.....	200	1,255.....	1,516	496.....	6,228.....	12.32

Deaths from Asiatic cholera are not included in these statistics ; they have been as follows : in 1849, 158 ; in 1854, 159 ; in 1866, 14 ; total, 331.

Diphtheria. There were but 48 deaths from this cause in 1882 ; smaller number than in any year since 1875 ; it was 68 less than in 1881, and was 2.15 per cent. of all deaths from known causes. There were some deaths in each month and they were distributed in the different seasons as follows :—

1st quarter.....	14	3d quarter.....	7
2d quarter.....	6	4th quarter.....	21

Of the 48 decedents, 45, or 93.75 per cent., were less than ten years old. The number of each sex and parentage was as follows :—

Males, 20; females, 28; total, 48; or 2.15 per cent. of all.

American parentage, 26; foreign parentage, 22.

During the four years' epidemic of diphtheria, 1876–1879, inclusive, the decedents of foreign parentage were greatly in excess of those of American parentage, the proportion being 56.39 of foreign, and 43.61 of American parentage in each 100; previous to the epidemic the reverse of this was true, the figures being 58.68 of American, and 41.32 of foreign parentage in each 100 decedents. Since the epidemic the American class is again in excess; in 1880, 57.38 per cent. of American, and 42.62 of foreign parentage in each 100 decedents; in 1881, 50.86 of American, and 49.14 of foreign parentage in each 100; in 1882, 54.17 of American, and 45.83 of foreign parentage.

The first cases of diphtheria in Providence were reported in 1858; for the twenty-five years, 1858–1882, inclusive, the statistics are as follows :—

Deaths from known causes in 25 years, 36,463.

From diphtheria, 1,818; annual average, 53.

Males, 660; females, 658; total, 1,318; or 3.61 per cent. of all.

American parentage, 647; foreign parentage, 671.

In the following table, the statistics are given as to sex, parentage, season and locality, for each of the twenty-five years, 1858–1882, and for the whole period :—

DEATHS FROM DICTHYERIA IN PROVIDENCE, TWENTY-FIVE YEARS, 1858-1882.

Dropsy. This was returned as the cause of 6 deaths in 1882; all the decedents were females; 2 of American, and 4 of foreign parentage; total 6, or 0.27 per cent of all.

Erysipelas. The number of deaths from this cause in 1882 was 14; 3 less than in 1881 and the per cent. 0.18 less.

Males, 4; females, 10; total, 14; or 0.62 per cent. of all.

American parentage, 2; foreign parentage, 12.

For the twenty-seven years, 1856–1882, the statistics are:—

Males, 98; females, 112; total, 210; or 0.55 per cent. of all.

American parentage, 116; foreign parentage, 94.

Fever, Typhoid. The number of deaths from this cause in 1882 was much larger than ever before recorded in Providence; the following figures show the number of each sex and parentage:—

Males, 66; females, 74; total, 140; or 6.27 per cent. of all.

American parentage, 54; foreign parentage, 86.

The same statistics for the twenty-seven years, 1856–1882, are:—

Whole number of deaths, 1,253; annual average, 46.

Males, 637; females, 616; total, 1,253; or 3.21 per cent. of all.

American parentage, 675; foreign parentage, 578.

There have been a few deaths reported simply as fever; some as “bilious fever,” and about 30 from typhus fever. There was also in 1869 one death from “intermittent,” and one from “malarial” fever; in 1880 there was one death from malarial fever; these are all included in the foregoing figures for the twenty-six years; we have *not*, however, included the *three* deaths from malarial fever which occurred in 1881, and five from malarial and remittent fever in 1882, as they indicate what appears to be a new development of the disease in this city, and it seems desirable to keep a separate account of them. The figures for the twenty-six years are found in the following table, which gives all the details of sex, parentage, color, season, age, locality and percentage from known causes, for each of the twenty-seven years, 1856–1882, and for the whole period:—

[REDACTED]

DEATHS FROM TYPHOID FEVER IN PROVIDENCE, TWENTY-SEVEN YEARS, 1856-1882.—CONTINUED.

Sex; parentage; color; season; age; locality; whole number, and percentage from known causes.

From the table on the preceding pages, we may see the differences in the different classes of decedents from typhoid fever.

Sex. The difference between the number of males and females who die from this cause is comparatively slight. In the twenty-seven years, 1856–1882 inclusive, the number of males was 637 and the number of females 616 ; a proportion of 103.4 males to each 100 females ; or 50.84 males, and 49.16 females in each 100 decedents.

Parentage. The difference between the two classes of parentage is much greater. There were in the twenty-seven years, 675 decedents of American, and 578 of foreign parentage from typhoid fever ; a proportion of 116.8 of American to 100 of foreign parentage ; or 53.87 American and 46.13 foreign in each 100 decedents.* There have been seven years out of the twenty-seven, when the number of foreign decedents exceeded that of American, but in 1882 the number of the foreign class was so much greater than that of the American, that the difference between the two classes is much less than it has been previous to this date.

Season. It is well known that this disease prevails to a much greater extent in the last part of the year than at any other time ; the following figures show the percentage for each quarter for the period of twenty-seven years :—

Number.	Per cent.	Number.	Per cent.
1st quarter.....170.....	13.56	3d quarter.....318.....	25.38
2d quarter.....174.....	13.89	4th quarter.....591..	47.16

There is very little difference between the first and second quarters ; both together are but little larger than the number in the third quarter, while the number in the fourth quarter is far larger than in either of the others. Dividing the year in three sections, the proportions are as follows :—

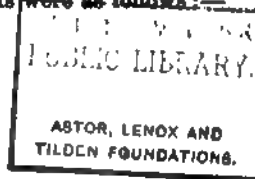
*In the report for 1881, by mistake, these proportions were given in the reverse order, making the number of foreign decedents to appear greater than that of the American.

	Number.	Per cent.
First four months.....	217.....	17.2
Second four months	278.....	22.19
Third four months.....	750	60.6

The decedents from typhoid fever are of all ages from the oldest to the youngest, but by far the larger number are between 15 and 40 years of age; the following table shows the number and percentage in each division of age, for 1882, and for the twenty-seven years, 1856-1882:—

In the year 1882, of the 140 decedents, 100 were between 15 and 40 years of age.

The number of deaths in each year, and the aggregate and average age of the decedents were as follows:—



Decedents from typhoid fever; aggregate and average age.

YEARS.	Number of Deaths.	Aggregate Age.			Average Age.		
		Years.	Mos.	Days.	Years.	Mos.	Days.
1856.....	80	788	5	3	26	8	11
1857.....	80	781	.....	13	26	.....	12
1858.....	24	829	5	23	34	6	22
1859.....	87	1,252	7	18	33	10	9
1860.....	20	706	6	19	35	3	28
1861.....	23	722	3	7	31	4	25
1862.....	21	540	9	11	25	9	.....
1863.....	47	1,456	11	23	30	11	29
1864.....	42	1,360	.....	27	32	3	18
1865.....	82	2,982	4	14	27	7	2
1866.....	46	1,420	2	17	30	10	15
1867.....	33	654	4	25	19	9	28
1868.....	24	692	7	3	28	10	9
1869.....	35	1,214	4	13	34	8	11
1870.....	52	1,421	1	7	27	3	28
1871.....	53	1,610	11	15	30	4	22
1872.....	68	2,161	3	19	31	9	12
1873.....	61	1,672	6	10	27	5	1
1874.....	60	1,553	11	24	25	10	24
1875.....	71	1,988	5	19	27	3	19
1876.....	33	922	8	17	27	11	16
1877.....	43	1,243	11	23	28	11	5
1878.....	47	1,151	9	27	24	6	2
1879.....	40	1,906	9	20	30	2	1
1880.....	53	1,505	2	4	28	4	24
1881.....	36	1,156	.....	13	30	5	2
1882.....	140	3,598	4	5	25	8	13
27 years.....	1,253	35,825	5	4	28	7	3

Previous to the year 1882, the greatest number of deaths from typhoid fever, in any one year, in Providence, was 82 in 1865, and the annual average number was 42, and the percentage of the whole number of deaths was 3.08 per cent. In the year 1882, there was a large and remarkable increase, the disease reaching an epidemic condition, in October and November. There were 140 deaths from typhoid fever, during the year, and the percentage was 6.27. Though the number of deaths from the disease was so much greater than in any previous year, the percentage of all the deaths, was less than in 1865.

The outbreak of fever, in 1882, was so very remarkable that it seems proper that a slight sketch of it should be given here, though the full account of it will be given hereafter, in a special report.

In our past experience, there has been little dread of typhoid fever in Providence, and it has always been considered, more especially, a disease of the country than of the city. The greatest number of

deaths from typhoid fever in Providence, in any single month, in the 26 years previous to 1882, was 25 in November, 1875. There has generally been an increase of the disease in the last three or four months of the year, so that this increase has come to be expected; but this has not always been the case. In 1881, there were only 14 deaths from fever in the last four months of the year, and in 1879 only 12 deaths in the same period.

There were no special indications of the fever in 1882, up to the last of October. There were only 42 deaths in all the year to the first of November; there were 9 in September, and only 8 in October. In fact, at the middle of the month of October, there seemed to be less typhoid fever in the city than was usual at that season. Only 13 cases were then, or afterwards, reported as having commenced from the first to the twentieth of October inclusive.

After the twentieth of October, the number of cases increased rapidly, and the disease speedily became epidemic. During the ten days, including the last five days of October and the first five days of November, 212 cases were reported, the greatest daily number being 45 on the first day of November. From that date, the disease declined slowly in November, much more rapidly in December, and almost entirely disappeared in January, 1883.

X It seems, then, that the epidemic reached its height in ten or twelve days after its beginning, and that, *after a certain date, (October 20th,) at which there was scarcely any typhoid fever in the city, within 15 days, 248 cases were reported.* These cases were in almost every portion of the city, and without any apparent tendency to concentration in any particular locality. This fact seems to me important, with reference to the popular theory that there must be a direct connection of every case of typhoid fever with some preceding case.

Though the disease had almost disappeared in January and February, 1883, another epidemic of less severity and extent began about the 16th of March. There were 61 cases reported in the twelve days from March 16th to March 27th inclusive. After the latter date the disease rapidly declined.

As already stated, more full details of the history, and more especially of the causes of the disease, will be given hereafter in a special report upon the epidemic.

Heart Diseases of. There were 142 deaths from diseases of the heart in 1882, including 10 from "hypertrophy." There were also 12 specified as "fatty degeneration" of the heart; 12 "endocarditis;" 3 "pericarditis;" 3 "angina pectoris;" and 1 "dilatation." The number in 1881 was 121 and the per cent. 5.68. The number of each sex and parentage in 1882 was:—

Males, 59; females, 83; total, 142; or 6.36 per cent. of all.

American parentage, 78; foreign parentage, 64.

In the twenty-seven years, 1856–1882, the number of deaths from diseases of the heart was 1,845, or 4.81 per cent. of all; annual average, 68. The particulars for each year and for the whole period are given in the following table:—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	6.....	13.....	16.....	5.....	21.....	2.08
1857.....	13.....	18.....	23.....	9.....	31.....	3.45
1858.....	13.....	23.....	28.....	8.....	36.....	3.81
1859.....	13.....	11.....	17.....	7.....	24.....	2.70
1860.....	15.....	18.....	21.....	19.....	31.....	3.28
1861.....	23.....	19.....	29.....	13.....	41.....	4.05
1862.....	26.....	23.....	33.....	16.....	49.....	5.54
1863.....	23.....	19.....	30.....	13.....	42.....	3.54
1864.....	26.....	32.....	44.....	14.....	58.....	4.83
1865.....	16.....	29.....	33.....	14.....	47.....	3.95
1866.....	19.....	21.....	37.....	12.....	49.....	3.95
1867.....	26.....	26.....	35.....	14.....	49.....	5.19
1868.....	25.....	27.....	34.....	18.....	52.....	4.79
1869.....	33.....	29.....	35.....	27.....	62.....	5.00
1870.....	26.....	31.....	33.....	26.....	59.....	4.73
1871.....	40.....	37.....	46.....	31.....	77.....	6.23
1872.....	43.....	49.....	63.....	29.....	92.....	5.88
1873.....	46.....	54.....	59.....	41.....	100.....	5.84
1874.....	48.....	56.....	63.....	43.....	104.....	5.39
1875.....	43.....	45.....	47.....	41.....	88.....	4.65
1876.....	41.....	47.....	51.....	37.....	88.....	4.73
1877.....	47.....	46.....	53.....	40.....	93.....	4.81
1878.....	29.....	44.....	45.....	38.....	83.....	4.21
1879.....	57.....	54.....	63.....	46.....	111.....	5.51

Of the 1,845 decedents, 1,128 or 61.14 per cent. were of American parentage.

Hemorrhage. The number of deaths caused by hemorrhage 1882 was 10. Four were from hemorrhage of the lungs, 2 from "hemorrhage of the bowels," and 4 were not specified.

Males, 7; females, 3; total, 10; or 0.45 per cent. of all.

American parentage, 6; foreign parentage, 4.

Hernia was given as the cause of 7 deaths in 1882; this was more than in 1881 and 0.17 per cent. more.

Males, 5; females, 2; total, 7; or 0.31 per cent. of all.

American parentage, 4; foreign parentage, 3.

Whooping Cough. This was the cause of 40 deaths in 1882; the same number as in the preceding year; though the rate was slightly less. There were 23 decedents under one year old; 9 between one and two years; 7 between two and five; and 1 between five and ten. The statistics of sex and parentage are:—

Males, 16; females, 24; total, 40; or 1.79 per cent. of all.

American parentage, 20; foreign parentage, 20.

For the twenty-seven years, 1856–1882:—

Whole number, 477; annual average, 18.

Males, 206; females, 271; total, 477; or 1.24 per cent. of all.

American parentage, 209; foreign parentage, 268.

Hydrocephalus. The number of deaths reported from this cause in 1882 was 28; 4 less than in 1881; all but two of the decedents were less than ten years old.

Males, 22; females, 6; total, 28; or 1.25 per cent. of all.

American parentage, 17; foreign parentage, 11.

For the twenty-seven years, 1856–1882, the statistics are:—

Whole number, 822; annual average, 30.

Males, 452; females, 370; total, 822; or 2.14 per cent. of all.

American parentage, 422; foreign parentage, 400.

Insanity. There were 12 deaths for which this was assigned as the cause in 1882; 4 less than in 1881.

Males, 4; females, 8; total, 12; or 0.54 per cent. of all.

American parentage, 10; foreign parentage, 2.

For the twenty-seven years, 1856–1882 :—

Whole number, 284; annual average, 10.

Males, 181; females, 153; total, 284; or 0.74 per cent. of all.

American parentage, 204; foreign parentage, 80.

Of the 284 decedents, 46.13 per cent. were males and 53.87 per cent. females; 71.83 per cent. of American, and 28.17 per cent of foreign parentage.

A large proportion of these deaths occur at the Butler Hospital for the insane, which is within the city limits, but where, of course, the patients are gathered from various places. All but one of the twelve deaths in 1882 occurred at this hospital.

Intemperance. The number of deaths ascribed to this cause in 1882 was 18, including 3 from delirium tremens; it was 4 more than in 1881.

Males, 8; females, 10; total, 18; or 0.80 per cent. of all.

American parentage, 5; foreign parentage, 13.

For the twenty-six years, 1857-1882, the statistics are :—

Whole number from known causes, 37,363.

From intemperance, 270; annual average, 10.

Males, 187; females, 83; total, 270; or 0.72 per cent. of all.

American parentage, 75; foreign parentage, 195.

Of the 270 decedents, 69.26 per cent. were males; and 72.22 per cent. were of foreign parentage.

Kidneys, Diseases of. The number of deaths from diseases of the kidneys was 52, including 28 of “Bright’s Disease” and one of “Addison’s Disease;” the number was 4 more than in 1881. The number of each sex and parentage was as follows :—

Males, 27; females, 25; total, 52; or 2.32 per cent. of all.

American parentage, 21; foreign parentage, 31.

For the twenty-seven years, 1856-1882 :—

Whole number, 626; annual average, 23.

Males, 359; females, 267; total, 626; or 1.63 per cent. of all.

American parentage, 340; foreign parentage, 286.

Liver, Diseases of. There were 24 deaths in 1882 from diseases of the liver; this was one more than in the preceding year.

Males, 14; females, 10; total, 24; or 1.07 per cent. of all.

American parentage, 11; foreign parentage, 13.

For the twenty-seven years, 1856-1882, the figures are :—

Whole number, 427; annual average, 16.

Males, 221; females, 206; total, 427; or 1.11 per cent. of all.

American parentage, 204; foreign parentage, 223.

Malformations. The deaths reported from malformation in 1882 numbered 9, which was 6 less than in 1881. In one case the special malformation was not stated; in two cases it was of the heart, and in one each, it was of the head, brain, spine, liver, anus and intestines. The number of each sex and parentage :—

Males, 3; females, 6; total, 9; or 0.40 per cent. of all.

American parentage, 7; foreign parentage, 2.

For the twenty-seven years, 1856-1882 :—

Males, 136; females, 84; total, 220; or 0.57 per cent. of all.

American parentage, 137; foreign parentage, 83.

Of the 220 decedents, 62.27 per cent. were of foreign parentage.

Marasmus. This was reported as the cause of 39 deaths in 1882; 5 more than in 1881; 33 of the decedents, or 84.62 per cent., were less than a year old.

Males, 24; females, 15; total, 39; or 1.74 per cent. of all.

American parentage, 15; foreign parentage, 24.

For the twenty-seven years, 1856–1882, the statistics are :—

Whole number, 726; annual average, 26.

Males, 392; females, 334; total, 726; or 1.89 per cent. of all.

American parentage, 361; foreign parentage, 365.

Measles. There were only 4 deaths from this cause in 1882; in 1881 there were 25. It has always been very irregular in its appearance in Providence. All the decedents in 1882 were females of foreign parentage, and the 4 deaths were 0.18 per cent. of all. The number of deaths from measles in each year since 1856 has been as follows :—

1856	1	1863	16	1870.....	16	1877.....	2
1857.....	2	1864... ..	7	1871.....	1	1878.....	50
1858.....	40	1865	7	1872.....	7	1879.....	0
1859	0	1866.....	9	1873.....	28	1880... ..	8
1860.....	0	1867	0	1874.....	4	1881.....	25
1861.....	6	1868.....	4	1875.....	0	1882.....	4
1862.....	1	1869.....	6	1876.....	0		—
							Total, 27 yrs..
							239

The statistics for the twenty-seven years, 1856–1882, are :—

Whole number, 239; annual average, 9.

Males, 111; females, 128; total, 239; or 0.62 per cent. of all.

American parentage, 70; foreign parentage, 169.

Of the 239 decedents, 70.71 per cent. were of foreign parentage.

Meningitis, Cerebro-Spinal. The number of deaths from this cause in 1882, was 14; 3 more than 1881.

Males, 6; females, 8; total, 14; or 0.62 per cent. of all.

American parentage, 8; foreign parentage 6.

The first cases in Providence were reported in 1864; the following table shows the number in each year since then :—

1864.....	2	1871.....	12	1878.....	7
1865.....	2	1872.....	10	1879.....	7
1866.....	1	1873.....	39	1880.....	4
1867.....	0	1874.....	10	1881.....	11
1868.....	1	1875.....	6	1882.....	14
1869.....	0	1876.....	4		—
1870.....	0	1877 .	7	Total, 19 years...	137

Whole number from known causes in nineteen years, 31,354.

From cerebro-spinal meningitis, 137.

Males, 78; females, 64; total, 137; or 0.44 per cent. of all.

American parentage, 64; foreign parentage, 73.

The number and percentage in each division of age, and according to sex and parentage, are given in the following table, for the period of nineteen years, 1864—1882 inclusive :—

Under 15 years	81	59.12 per cent.
15 to 25 years	21	15.33 per cent.
25 to 35 years	14	10.22 per cent.
35 to 45 years	10	7.30 per cent.
45 to 55 years	6	4.38 per cent.
55 to 65 years	4	2.92 per cent.
65 to 75 years	2	1.46 per cent.
75 to 85 years	1	0.73 per cent.
85 to 95 years	1	0.73 per cent.
Over 95 years	1	0.73 per cent.
Total	137	100.00 per cent.

Of the 137 decedents, 81, or 59.12 per cent. were less than 15 years old.

Murder. There were two deaths in 1882 under this head; 1 less than in the preceding year; both the decedents were males; one of American and one of foreign parentage.

Old Age. The number of deaths attributed to this cause in 1882 was 79; 6 more than in 1880 or 1881; fourteen of the decedents were over 90 years of age; the same number as in the two preceding years: one in 1882 was 102 years, 8 months, and 15 days old.

The particulars of sex and parentage are :—

Males, 29 ; females, 50 ; total, 79 ; or 3.54 per cent. of all.

American parentage, 40 ; foreign parentage, 39.

For the twenty-seven years, 1856–1882 :—

Whole number, 1,479 ; annual average, 55.

Males, 503 ; females, 976 ; total, 1,479 ; or 3.85 per cent of all.

American parentage, 890 ; foreign parentage, 589.

Of the 1,479 decedents, 65.99 per cent. were females, and 60 17 per cent. were of American parentage.

The following figures will show how small a proportion of the decedents of advanced age are reported under this head. In the year 1882 the number of decedents over 70 years of age was 286 ; 151 of American and 135 of foreign parentage ; this was 12.81 per cent. of all decedents from known causes during the year.

In the twenty-seven years, 1856–1882, the number of decedents over 70 years old, was 4,314 ; 2,941 of American, and 1,373 of foreign parentage ; 11.24 per cent. of all deaths from known causes.

Paralysis. There were 28 deaths reported in 1882, from paralysis, including 3 from Locomotor Ataxia.

Males, 13 ; females, 15 ; total, 28 ; or 1.25 per cent. of all.

American parentage, 15 ; foreign parentage, 13.

For the twenty-seven years, 1856–1882, the figures are :—

Whole number, 493 ; annual average, 18.

Males, 252 ; females, 241 ; total, 493 ; or 1.28 per cent. of all.

American parentage, 354 ; foreign parentage, 139.

The statistics for apoplexy and paralysis have generally been given together in this connection. The following table gives the number of deaths from each, in each of the twenty-seven years, 1856–1882 :—

Years.	Apoplexy.	Paralysis.	Total.	Years.	Apoplexy.	Paralysis.	Total.
1856.....	21.....	2.....	23	1870.....	28.....	24.....	52
1857.....	18.....	9.....	27	1871.....	33.....	28.....	61
1858.....	15.....	3.....	18	1872.....	31.....	20.....	51
1859.....	16.....	6.....	22	1873.....	36.....	21.....	57
1860.....	17.....	11.....	28	1874.....	36.....	23.....	59
1861.....	14.....	11.....	25	1875.....	41.....	35.....	76
1862.....	10.....	5.....	15	1876.....	44.....	24.....	68
1863.....	20.....	8.....	28	1877.....	50.....	24.....	74
1864.....	13.....	16.....	29	1878.....	42.....	24.....	66
1865.....	20.....	18.....	38	1879.....	56.....	30.....	86
1866.....	21.....	8.....	29	1880.....	48.....	30.....	78
1867.....	31.....	18.....	49	1881.....	74.....	27.....	101
1868.....	22.....	24.....	46	1882.....	89.....	28.....	117
1869.....	32.....	16.....	48		—	—	—
Totals, 27 years.....					827.....	493.....	1320

The statistics of sex and parentage for the two causes for the twenty-seven years, are :—

Whole number, 1,380; annual average, 51.
Males, 693; females, 687; total, 1,380; or 3.59 per cent. of all.
American parentage, 967; foreign parentage, 413.

The decedents were 70.07 per cent. of American and 29.93 per cent. of foreign parentage.

Peritonitis. There were 17 deaths from this cause in 1882; 3 less than in the year previous.

Males, 9; females, 8; total, 17; or 0.76 per cent. of all.
American parentage, 8; foreign parentage, 9.

The figures are as follows for the twenty-seven years, 1856–1882:—

Whole number, 266; annual average, 10.
Males, 117; females, 149; total, 266; or 0.69 per cent. of all.
American parentage, 144; foreign parentage, 122.

Pneumonia. There were 170 deaths from pneumonia; 10 more than in 1881; and 6 from congestion of the lungs, which was 8 less than in the preceding year. They were divided as follows in the different seasons:—

1st quarter.....	56	3d quarter.....	16
2d quarter.....	61	4th quarter.....	43

Of the 176 decedents, 39, or 22.15 per cent. were less than ten years old; and 63, or 35.79 per cent. were over fifty years old.

Males, 98; females, 78; total, 176; or 7.88 per cent. of all.

American parentage, 66; foreign parentage, 110.

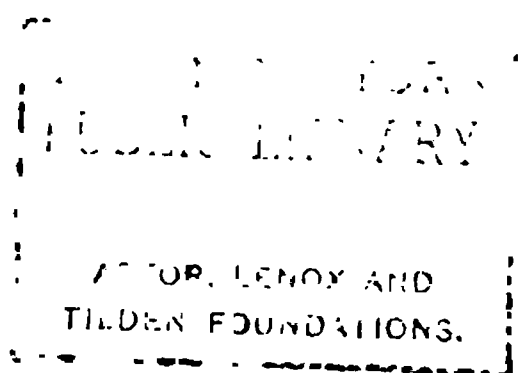
For the twenty-seven years, 1856–1882, the statistics are:—

Whole number, 2,859; annual average, 105.

Males, 1,469; females, 1,390; total, 2,859; or 7.45 per cent. of all.

American parentage, 1,407; foreign parentage, 1,452.

The following table gives the statistics of the deaths from pneumonia for each of the twenty-seven years, 1856–1882, showing the number and percentage, sex, parentage, season and age:—



PNEUMONIA AND CONGESTION OF LUNGS IN PROVIDENCE, TWENTY-SEVEN YEARS, 1856-1882.

Sex; parentage; season; age; whole number, and percentage from known causes.

PNEUMONIA AND (CONG. OF LUNGS	1856	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882. Total
	74	62	50	55	59	73	61	62	63	71	81	68	92	88	78	75	117	123	131	197	161	98	140	159	193	174	176
Whole number...	719	629	9.04	6.44	6.15	7.21	6.90	6.90	5.1	6.23	7.99	7.19	8.47	7.10	6.24	6.85	7.41	7.22	6.68	10.39	8.20	5.07	7.10	7.28	9.36	8.17	7.88
Percentage.....																											
SEX:																											
Males.....	44	39	53	26	30	41	29	51	34	39	40	28	52	51	43	47	61	67	62	98	79	44	63	76	94	85	98
Females.....	30	23	37	30	29	32	32	31	35	35	41	40	40	37	35	38	58	57	69	99	84	54	77	83	99	89	78
PARENTAGE:																											
American.....	38	33	51	37	25	38	33	44	36	42	44	34	49	47	31	40	62	65	64	108	61	47	70	73	86	88	68
Foreign	36	29	39	19	34	35	28	39	29	32	37	34	43	41	47	45	55	58	67	94	102	51	70	86	107	86	110
SEASON:																											
January	7	12	14	5	7	7	9	7	11	6	16	13	7	8	15	10	10	17	7	25	15	15	21	38	17	27	17
February.....	19	2	13	4	5	13	5	11	6	11	4	7	14	11	10	13	22	21	9	33	16	13	17	18	19	28	18
March.....	11	7	9	5	9	11	7	15	10	7	12	13	7	12	7	11	17	12	14	22	14	11	18	14	24	15	21
April.....	6	3	15	4	7	9	4	8	4	10	11	15	12	8	16	9	13	11	27	17	19	10	16	18	31	24	28
May.....	10	7	9	5	7	9	5	9	6	3	7	3	13	9	5	5	10	13	12	22	19	8	7	11	24	13	19
June.....	6	2	4	8	4	6	6	4	2	5	7	3	5	1	1	3	6	6	9	5	5	4	7	7	19	11	14
July.....	1	...	3	1	2	2	4	1	7	2	3	3	3	1	5	2	2	4	6	2	6	3	6	1	4	2	6
August.....	4	3	3	1	3	1	1	2	1	1	2	3	1	5	1	5	...	5	2	3	7	1	4	4	2	6	1
September.....	3	3	2	3	2	2	4	3	3	...	3	1	9	3	2	7	4	7	6	5	9	6	5	6	2	2	9
October.....	3	7	5	5	1	2	2	4	1	7	1	1	9	6	2	3	6	6	7	11	14	10	7	8	14	15	14
November.....	4	11	6	8	8	6	7	8	6	13	6	4	8	6	4	3	12	10	12	15	19	7	12	9	11	15	19
December.....	7	5	9	7	4	5	7	10	8	9	9	5	6	13	11	13	15	11	14	18	20	10	17	21	16	20	209

PNEUMONIA AND CONGESTION OF LUNGS IN PROVIDENCE, TWENTY-SEVEN YEARS, 1856-1882.—CONTINUED.

Sex; parentage; season; age; whole number, and percentage from known causes.

Rheumatism. The number of deaths from rheumatism, in 1882, was 8; 4 less than in 1881.

Males, 8; females, 5; total, 8; or 0.36 per cent. of all.
American parentage, 2; foreign parentage, 6.

Scarlatina. There were but 18 deaths from this cause in 1882; this was less than in any year since 1877; indeed there have been but five years in the twenty-eight years, from 1855–1882, when the number was less than in 1882. Twelve of the deaths, or 66.67 per cent., were in the first half of the year. The decedents were one under one year old; 2 between one and two years; 10 between two and five; and 5 between five and ten.

Males, 12; females, 6; total, 18; or 0.81 per cent. of all.
American parentage, 7; foreign parentage, 11.

For the twenty-seven years, 1856–1882, the general statistics are:—

Whole number, 2,065; annual average, 76.
Males, 1,017; females, 1,048; total, 2,065; or 5.38 per cent. of all.
American parentage, 846; foreign parentage, 1,219.

The following table shows the particulars of sex, parentage, season and locality for each of the twenty-eight years, 1855–1882:—

1850. 1857	33
	3.56
	13

Scrofula. The number of deaths from this cause in 1882 was 3; 1 less than in 1881, and 0.13 per cent. of all from known causes.

Males, 2; females, 1; total, 3; or 0.13 per cent. of all.

American parentage, 0; foreign parentage, 3.

Skin, Disease of. There was but one death reported under this head in 1882; the decedent was a foreign male.

Small-Pox. No death from this disease occurred in Providence in 1882; from the table given below it will be seen that there had been none since 1875.

The statistics for the twenty-seven years, 1856-1882, are :—

Males, 58; females, 21; total, 79; or 0.21 per cent. of all.

American parentage, 48; foreign parentage, 31.

The particulars for each year are as follows :—

SMALL-POX.

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	7.....	2.....	5.....	4.....	9.....	0.87
1857.....	.....	.....	.....	.....	.....	.....
1858.....	.....	.....	.....	.....	.....	.....
1859.....	2.....	3.....	5.....	.....	5.....	0.57
1860.....	4.....	1.....	3.....	2.....	5.....	0.52
1861.....	.....	.....	.....	.....	.....	.....
1862.....	2.....	2.....	1.....	3.....	4.....	0.45
1863.....	.....	.....	.....	.....	.....	.....
1864.....	7.....	.....	3.....	4.....	7.....	0.56
1865.....	9.....	2.....	8.....	3.....	11.....	0.98
1866.....	.....	.....	.....	.....	.....	.....
1867.....	1.....	.....	1.....	.....	1.....	0.11
1868.....	1.....	.....	1.....	.....	1.....	0.09
1869.....	3.....	.....	3.....	.....	3.....	0.24
1870.....	.....	2.....	.....	2.....	2.....	0.16
1871.....	.....	3.....	1.....	2.....	3.....	0.24
1872.....	9.....	4.....	9.....	4.....	13.....	0.82
1873.....	12.....	2.....	8.....	6.....	14.....	0.83
1874.....	.....	.....	.....	.....	.....	.....
1875.....	1.....	.....	.....	1.....	1.....	0.06
1876.....	.....	.....	.....	.....	.....	.....
1877.....	.....	.....	.....	.....	.....	.....
1878.....	.....	.....	.....	.....	.....	.....
1879.....	.....	.....	.....	.....	.....	.....
1880.....	.....	.....	.....	.....	.....	.....
1881.....	.....	.....	.....	.....	.....	.....
1882.....	.....	.....	.....	.....	.....	.....
27 yrs'. total....	58.....	21.....	48.....	31.....	79.....	0.21

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Spine, Diseases of. The number of deaths in 1882 from diseases of the spine was 9; 3 more than in 1881.

Males, 4; females, 5; total, 9; or 0.40 per cent. of all.

American parentage, 3; foreign parentage, 6.

Stomach, Diseases of. There were 24 deaths in 1882 from diseases of the stomach; 16 of them were specified as "inflammation."

Males, 10; females, 14; total, 24; or 1.06 per cent. of all.

American parentage, 2; foreign parentage, 22.

Suicide. The number of suicides in 1882 was 12; 2 less than in 1881. They were specified as follows:—Shooting, 3; arsenic and laudanum, 2 each; opium, morphine and Paris green, one each; one person jumped from a window, and one cut his throat.

Males, 8; females, 4; total, 12; or 0.54 per cent. of all.

American parentage, 8; foreign parentage, 4.

The statistics for the twenty-seven years, 1856–1882, are:—

Males, 128; females, 50; total, 178; or 0.45 per cent. of all.

American parentage, 97; foreign parentage, 76.

Teething. The number of deaths reported from this cause in 1882 was 16; 7 more than in 1881.

Males, 10; females, 6; total, 16; or 0.72 per cent. of all.

American parentage, 8; foreign parentage, 8.

Tuberculosis was stated as the cause of 12 deaths in 1882; 13 less than in 1881.

Males, 7; females, 5; total, 12; or 0.54 per cent.

American parentage, 6; foreign parentage, 6.

The various diseases which properly come under this head have never been reckoned in one class in these reports; if they were so classified the percentage of such a class would exceed that of any other. The heading of "tuberculosis" was not used separately until 1867; since then the deaths have been as follows:—

Whole number from known causes in sixteen years, 27,099.

From tuberculosis, 218; annual average, 14.

Males, 98; females, 120; total, 218; or 0.80 per cent. of all.

American parentage, 142; foreign parentage, 76.

Tumors. There were 6 deaths from tumors in 1882; the same number as in the two preceding years. Two were "ovarian" tumors; 1 abdominal; 1 of the spleen, and 1 of the nose; one was not specified.

Males, 3; females, 3; total, 6; or 0.27 per cent. of all.

American parentage, 3; foreign parentage, 3.

Unknown. There were 10 deaths in 1882, for which the cause was not stated, it was 0.45 per cent. of all the deaths during the year. The number was 5 less, and the per cent. 0.25 less than in 1881.

Males, 4; females, 6; total, 10; or 0.45 per cent. of all.

American parentage, 2; foreign parentage, 8.

The statistics on this subject for the twenty-seven years, 1856-1882, are:—

Whole number, 575; annual average, 21.

Males, 298; females, 277; total, 575; or 1.48 per cent. of all.

American parentage, 196; foreign parentage, 379.

Of the 575 decedents, 65.91 per cent. were of foreign parentage.

STILL-BORN.

The following statistics are given in regard to the still-born children in Providence in 1882.

Number. There were 162 still-born children in 1882; this was only one more than in the year previous; this number was 5.81 per cent. of the 2,788 children born during the year, or one in 17.21.

Sex. The number of males was 96; 5 less than in 1881; the number of females, 66, or 6 more than in the preceding year.

Color. White, 158; colored, 4.

Locality. First ward, 21; second, 4; third, 17; fourth, 13; fifth, 14; sixth, 10; seventh, 12; eighth, 14; ninth, 21; tenth, 36.

Season. January, 14; February, 19; March, 9; April, 8; May, 13; June, 15; July, 15; August, 10; September, 12; October, 13; November, 19; December, 15.

The number and percentage in each quarter of the year were:—

Number.	Per cent.	Number.	Per cent.
1st quarter.....42.....	25.93	3d quarter.....37.....	22.84
2d quarter.....36.....	22.22	4th quarter.....47.....	29.01

Parentage. The following table shows the parentage of the 162 still-born children in 1882; the first letter indicates the birth-place of the father; the second that of the mother:—

A. and A.....63	R. and R....., 1	A. and E..... 3
I. and I.. .....37	I. and A..... 7	I. and E..... 1
E. and E 8	E. and A..... 2	A. and S..... 1
S. and S..... 2	S. and A..... 1	A. and B. A..... 1
G. and G..... 3	G. and A..... 2	I. and B. A..... 1
B. A. and B. A..... 7	B. A. and A..... 2	E. and B. A..... 1
P. and P 1	A. and I..... 8	G. and Sw..... 1
It. and It..... 2	E. and I..... 1	—
N. and N 1	S. and I..... 1	Total.....12

A.—American; I.—Irish; E.—English; G.—German; B. A.—British American
P.—Portuguese; It.—Italian; S.—Scotch; N.—Norwegian; R.—Russian; Sw.—
Swedish.

The 162 still-born children were 5.81 per cent. of all the children born in the city during the year. Of the 2,788 children born, 1,424, or 51 08 per cent. had American mothers; 742, or 26.61 per cent. had Irish mothers; and 622, or 22.31 per cent. had mothers of other foreign nations.

Of the 162 still-born children, 77, or 47.53 per cent. had American mothers; 47, or 29.01 per cent. had Irish mothers; and 38, or 23 46 per cent. had mothers of other foreign nations.

The proportion of still-born to the whole number of children borne by mothers of each class, was as follows: of the 1,424 children of American mothers, 77, or 5.41 per cent. were still-born; that is one in 18.49; of the 742 children of Irish mothers, 47, or 6.33 per cent., or one in 15.79 were still-born; of the 622 children of other foreign mothers, 38 were still-born, or 6.11 per cent., or one in 16 37.

The whole number of children borne by American mothers in 1882 was slightly less than in 1881; but the proportion of these to all the children born was greater than in 1881; of still-born children of American mothers, the number and proportion were less in 1882 than in the preceding year.

Of children of Irish mothers in 1882, the number and proportion were less than in 1881; of still-born children of Irish mothers, the number and proportion were also less than in the year previous.

Of children of other foreign mothers the number and proportion were greater in 1882 than in 1881; also the number and proportion of still-born children.

For the twenty-seven years, 1856–1882, the statistics are : Whole number of children born, 54,640. Number of still-born, 3,171, or 5.80 per cent. of all ; or one in 17.23. Of these 3,171 still-born children, 2,973 were white, and 198 colored ; 1,838, or 57.96 per cent. were males ; and 1,333, or 42.04 per cent. females.

Reckoned according to the fathers' birth-places, 1,387, or 43.74 per cent. were American ; 1,332, or 42.01 per cent. were Irish ; and 445, or 14.03 per cent. were children of other foreign fathers ; of 7 the parentage was not stated.

The following statement shows the whole number of children borne by *mothers of different nativities*, during the twenty-seven years, 1856–1882, inclusive ; also the number of still-born children to mothers of each class ; and the percentage of the latter to the whole number of children :—

	Whole number of children.	Still-born children.	Percentage of still-born.	Or 1 in
American mothers.....	25,887.....	1,384.....	5.35.....	18.70
Irish mothers.....	20,595.....	1,407.....	6.83.....	14.64
English, Scotch or Welsh mothers... 4,187.....	204.....	4.93.....	20.28	
German mothers.....	1,098.....	83.....	8.01.....	33.21
British American mothers.....	1,921.....	85.....	4.42.....	22.60
Other foreign mothers.....	1,004.....	58.....	5.78.....	17.31
Total.....	54,640.....	3,171.....	5.80.....	17.28

THE NEW YORK
PUBLIC LIBRARY.

ASTOR, LENOX AND
TILDEN FOUNDATIONS.

CENSUS OF PROVIDENCE, 1880.

Statement showing the nativity, parentage, sex, color, and total population of the city of Providence by wards, according to the United States census of 1880 :—

WARDS.	NATIVE WHITE.		FOREIGN WHITE.		COLORED.		Total		Total Popula- tion.
	Males.	F'mls.	Males.	F'mls.	M'les.	F'm's.	Males.	F'mls.	
I.....	4,501	4,039	1,786	2,051	228	258	6,465	7,248	13,713
II.....	1,598	1,812	244	806	280	308	2,076	2,926	5,002
III.....	2,917	3,087	1,089	1,290	115	142	4,201	4,519	8,720
IV.....	2,202	2,353	649	851	70	76	2,921	3,280	6,201
V.....	2,912	3,073	1,251	1,423	49	85	4,212	4,531	8,743
VI.....	2,256	2,531	342	536	219	308	2,817	3,373	6,190
VII.....	3,169	3,579	1,015	1,240	181	199	4,370	5,036	9,406
VIII.....	4,615	5,112	1,199	1,563	135	192	5,949	6,867	12,816
IX.....	5,508	5,634	1,458	1,728	420	458	7,386	7,870	15,256
X.....	5,717	5,576	3,666	3,831	7	13	9,390	9,420	18,810
City.....	35,475	37,764	12,653	15,319	1,659	1,987	49,787	55,070	104,857

WARDS.	American.	Foreign.	Am. father and foreign mother.	Foreign father and Am.moth'r.	Total Population.
I.....	5,517	7,311	403	489	13,713
II.....	3,383	1,429	77	113	5,002
III.....	3,544	4,598	270	308	8,720
IV.....	3,171	2,641	118	251	6,201
V.....	3,397	4,873	202	271	8,743
VI.....	4,244	1,676	95	175	6,190
VII.....	4,524	4,289	228	363	9,406
VIII.....	7,002	5,138	204	382	12,816
IX.....	7,601	6,664	464	527	15,256
X.....	3,303	14,420	474	613	18,810
City.....	45,686	53,069	2,625	3,487	104,857

The percentage of each class, for the whole city, is as follows : American parentage, 43.57 ; foreign parentage, 50.60 ; American father and foreign mother, 2.50 ; foreign father and American mother, 3.33.

CENSUS OF PROVIDENCE, 1883.

Dwelling houses, tenements, families, sex, and total population by wards.

WARDS.	Dwelling- houses.	Unoccupied houses.	Tenements.	Unoccupied Tenements.	Families.	Males.	Females.	Total Population.
I.....	1,929	23	3,480	104	3,376	7,337	7,861	15,198
II.....	828	18	1,072	33	1,039	2,389	3,214	5,603
III.....	1,109	8	2,182	47	2,135	4,473	4,967	9,440
IV.....	930	12	1,658	39	1,619	3,460	3,528	6,988
V.....	1,084	13	2,214	35	2,179	4,702	4,818	9,520
VI.....	930	5	1,732	26	1,706	2,957	3,009	5,966
VII.....	1,312	6	2,393	21	2,372	4,793	5,385	10,178
VIII.....	1,797	19	3,332	73	3,259	6,563	7,026	13,589
IX.....	2,421	59	3,999	182	3,817	8,112	8,655	16,767
X.....	2,691	64	4,689	214	4,475	10,950	11,261	22,211
Whole city.....	15,031	227	26,751	774	25,977	55,736	61,019	116,755

1884.]

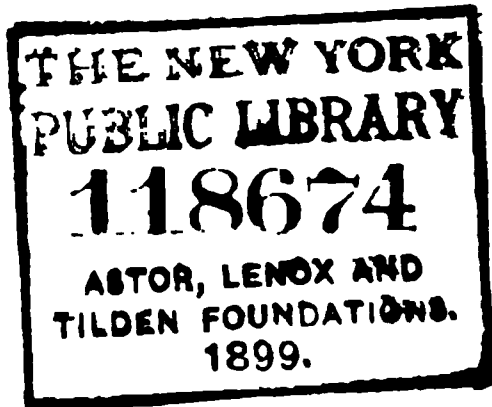
CITY DOCUMENT.

TWENTY-NINTH ANNUAL REPO
UPON THE
BIRTHS, MARRIAGES, AND I
IN THE
CITY OF PROVIDENCE:
FOR THE YEAR
1883.

By EDWIN M. SNOW, M. D.,

CITY REGISTRAR

PROVIDENCE:
PROVIDENCE PRESS COMPANY, PRINTERS TO THE CI
1884.



THE CITY OF PROVIDENCE.

JOINT RESOLUTION OF THE CITY COUNCIL.

[Approved April 24, 1884.]

RESOLVED, That the twenty-ninth annual report of the City Register for the year ending December 31, 1883, be received, and that six hundred copies thereof, and of the communication accompanying the same, printed in pamphlet form for the use of the City Council, under direction of the joint committee on printing.

A true copy: witness,

HENRY V. A. JOSLIN, CITY CLERK.

INTRODUCTION.

CITY REGISTRAR'S OFFICE, }
PROVIDENCE, April 21, 1884. }

To the Honorable the City Council:

The annual report upon the births, marriages, and deaths in the city of Providence, is herewith presented. The present report contains the statistics upon this subject, for the year 1883, and is the twenty-ninth annual report that I have presented.

During the year 1883, there were 2,916 births reported in Providence, or 128 more than in 1882; the number of persons married was 2,354, or 10 more than in the year preceding; and the number of deaths was 2,328, or 86 more.

The population of the city, by the census of 1880, was 104,857, and by the city census of January, 1883, it was 116,755. The same rate of increase would make the population 119,405 in the middle of the year 1883. The proportions of births, marriages, and deaths to population, in 1883, were, therefore, as follows:

Births, 2,916, or one in 40.95; or 24.42 in each 1,000.

Persons married, 2,354, or one in 50.72; or 19.71 in each 1,000.

Deaths, 2,328, or one in 51.29; or 19.50 in each 1,000.

The present report contains the usual tables of previous reports, and various additional tables, illustrating the subjects given. Some of the tables have been condensed, so that the report is shorter than those for the last few years.

EDWIN M. SNOW, M. D.,

City Registrar.

CONTENTS.

	PAGE.
BIRTHS	1-17
Wards, months, sex and color, (Table I.).....	1
Births in connection with season, and sex.....	2-4
Proportion of the sexes born at different seasons.....	3-4
Number and proportion of the sexes, 30 years (Table II).....	4
Color:—Number and proportion of the sexes, 28 years.....	5
Color:—Births, marriages and deaths, in 28 years.....	5
Parentage of children born in each ward, (Table III.).....	6
Number and percentage of American and of foreign children, 28 years.....	7-8
Parentage:—Mixture of different nations, (Table IV.).....	9
Number of 1st, 2d, etc., children in 1883. and 1855-1882, (Table V.).....	10
Average number of children to each mother, 29 years, (Table VI.).....	11
Number of the child, with age of the mother, (Table VII.).....	12-13
Plurality-births, statistics for 1883.....	14-15
Plurality-births, 29 years' summary.....	15-17
MARRIAGES	18-28
Marriages at different seasons, 29 years, (Table VIII.).....	18-19
Birthplaces of parties married in 1883, (Table IX.).....	20
Bride and groom born in same country, etc.....	20-21
Proportions of American, foreign, and mixed marriages, 29 years.....	21
Marriages of colored persons.....	22
Age of persons married in 1883, (Table X.).....	23
Average age of persons married, 28 years. (Table)....	24
Number of times married, (Table XI.).....	24
Marriages of divorced persons.....	25
Denominational.....	25-26
Nativity and residence.....	26-27
Marriage and education; certificate signed with a mark.....	27-28
DEATHS	29-101
Deaths to population in 1883; proportion in each class.....	29
Deaths by sex, condition, color, nativity, parentage, and locality, (Table XII.).....	30
Deaths by season; numbers and proportions; recapitulation.....	31-32
Sex, condition, color, nativity, parentage, and locality of decedents, 1883.....	33-35
Aggregate and average age by parentage, 1883, (Table XIII.).....	36
Aggregate and average age by parentage, 28 years, (Tables XIV. and XV.).....	37-40
Difference between average age of American and foreign decedents, (Table)....	38
Percentages at different ages by parentage, 1883 (Table XVI.).....	41
Percentages under five years of age by parentage, 28 years (Table)....	43
Percentages at different ages by parentage, 28 years, (Table XVII.)....	44
Deaths by age and parentage in each month and quarter, 1883, (Table XVIII.).....	45-46
Causes of death, sex, age, parentage and percentages. (Table XIX.)....	47-50
Causes of death in connection with season, (Table XX.).....	51-52
NOTES ON THE CAUSES OF DEATH IN 1883	53-101
Cholera Infantum; decedents by sex and parentage, 28 years, (Table)..	53-54
Consumption; sex and parentage.....	55
Consumption; change in rate of mortality.....	56
Consumption in Providence, 28 years, (Table).....	61-62
Croup; statistics for 1883, and 28 years, (Table).....	64-65
Diarrhœa and dysentery; recapitulation for 44 years.....	67-68
Diphtheria; statistics for 1883. and 28 years. (Table).....	69-71
Comparison of Diphtheria, Scarlatina and Croup.....	71-74
Fever, Typhoid, 1883, and 28 years, (Table).....	74-76
Heart, diseases of; decedents by sex and parentage, 28 years, (Table)..	80-81
Meningitis. Cerebro-spinal; deaths at each age. 20 years.....	86
Pneumonia; statistics for 1883 and 28 years, (Table).....	87-91
Pneumonia, Sex, Parentage, Season, Age.....	92-93
Scarlatina; statistics for 1883 and 29 years, (Table).....	94-95
Small-pox; recapitulatory table, 28 years.....	96
Unknown causes.....	98
Still-born children in 1883.....	99-100
Still-born children, 1856-1883.....	101
GENERAL SUMMARY:—	
Births, Marriages and Deaths; numbers and proportions, 29 years, (Table XXI.).....	102
Births and deaths by parentage; excess of births, 28 years, (Table XXII.).....	103
Census of Providence, 1880, sex, nativity, parentage, and color.....	104
Census of Providence, 1883, houses, tenements, families, sex and total population.....	104

The number of births in 1883, was 128 more than in 1882, and is considerably larger than ever before recorded in Providence. The differences in the several wards, as compared with the preceding year, are as follows: in the first ward, 10 more; second and third, each 20 more; in the fifth, 26 more; in the eighth, 34 more; in the tenth, 86 more; a total increase of 196; the remaining wards lost in numbers, in 1883, as follows: fourth ward, 10 less; sixth and seventh, each 19 less; ninth, 20 less; a combined loss of 68.

Ratio. A census of the city was taken in January, 1883, which showed the population to be 116,755. But allowing a rate of increase between January and July, equal to what it had been since the last preceding census, (June, 1880), we have as the population of the city in the middle of the year 1883, 119,405; and on this basis, all the rates in the present report are reckoned. Thus we have as the ratio of births in 1883, one in 40.95 of the population, or 24.42 births to each thousand inhabitants.

Season. In January, February, April and December, 1883, the number of births was less than in 1882, in all the remaining months the number was larger than in 1882. In the first and last quarters of the year 1883, the number was less than in the corresponding seasons of 1882; in the second and third quarters it was greater. In the first half of 1883, the number of births was 1,413, or 25 more than in 1882; in the last half of the year it was 1,503, or 103 more than in 1882.

The largest monthly total in 1883, was 282 in June; the smallest, 200 in January.

The following statement shows the aggregate number of births in each quarter of the year for the twenty-seven years, 1856 to 1882; the number in each quarter of 1883; and the same for the twenty-eight years, 1856 to 1883.

	Jan. March.	April. June.	First 6 mos.	July. Sept.	Oct. Dec.	Second 6 mos.	Whole Year.
Twenty-seven years..	13,279....	13,611....	26,890....	13,568....	14,182....	27,750....	54,640
1883.....	669....	744....	1,413....	770....	733....	1,503....	2,916
Twenty-eight years...	13,948....	14,355....	28,308....	14,338....	14,915....	29,253....	57,568

For the twenty-nine years, 1855 to 1883, the aggregate monthly

totals of births are as follows ; the daily average for each month and for the whole period is also given :—

Births in	January.	February.	March.	April.	May.	June.
29 years, 1855-1883.....	4,619.....	4,521.....	5,165.....	4,609.....	4,879.....	5,230
Daily average.....	5.14.....	5.51.....	5.74.....	5.30.....	5.82.....	6.01
Births in	July.	August.	Sept.	Oct.	Nov.	Dec.
29 years, 1855-1883.....	4,859.....	4,976.....	4,918.....	5,154.....	5,015.....	5,211
Daily average.....	5.40.....	5.53.....	5.65.....	5.73.....	5.76.....	5.86
Whole number of births in 29 years, 59,156; daily average, 5.58.						

For a number of years these figures showed the largest aggregate number of births to be in December ; the figures for 1883 show the largest aggregate number in June ; the smallest in February. The daily averages hold the same relative positions that they have done before ; the highest in June and the lowest in January. In the months of March, June, September, October, November and December, the daily average was above the general average for the period ; in the remaining six months it was below the general average.

Proportions of the Sexes. There was less difference than usual in 1883, between the number of males and females born ; there were 1,477 male, and 1,439 female children ; 38 more males than females ; a proportion of 102.6 boys to 100 girls ; or 50.65 boys, and 49.35 girls in each 100 children born. In the months of January, February, June, August and October, there were more female than male children born ; in the remaining seven months the number of males was larger. The number and proportion of each sex in each quarter of the year were as follows :—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	338.....	331,	or 102.1 to 100,	or 50.52 and 49.48 in each 100 born.		
April-June.....	376.....	368,	or 102.2 to 100,	or 50.54 and 49.46 in each 100 born.		
July-Sept.....	400.....	370,	or 108.1 to 100,	or 51.95 and 48.05 in each 100 born.		
Oct.-Dec.....	363.....	370,	or 98.1 to 100,	or 49.52 and 50.48 in each 100 born.		
Whole year.....	1,477.....	1,439,	or 102.6 to 100,	or 50.65 and 49.35 in each 100 born.		

The first and second quarters are nearly alike ; while in the third quarter the excess of males is much larger, and in the fourth much less than in the first half of the year. The same statistics for the twenty-eight years, 1856-1883, the whole number of children born during the period being 57,556, are as follows :—

	Males.	Females.	Males.	Females.	Males.	Females.
Jan.-March.....	7,217.....	6,731,	or 107.2	to 100,	or 51.74	and 48.26 in each 100 born.
April-June.....	7,379.....	6,976,	or 105.8	to 100,	or 51.40	and 48.60 in each 100 born.
July-Sept	7,309.....	7,029,	or 103.9	to 100,	or 50.97	and 49.03 in each 100 born.
Oct.-Dec.....	7,685.....	7,230,	or 106.2	to 100,	or 51.52	and 48.48 in each 100 born.
28 years.....	29,590.....	27,966,	or 105.8	to 100,	or 51.41	and 48.59 in each 100 born.

In the thirty years, 1854 to 1883 inclusive, there were 60,525 children born in Providence; 31,108 males, and 29,417 females. The following table shows the proportions of the sexes, in periods of five years:—

TABLE II. BIRTHS, 1854 to 1883. *Proportions of the Sexes.*

	Males.	Females.	Males.	Females.	Males.	Females.
1854-1858.....	4,171.....	3,885,	or 107.4	to 100,	or 51.77	and 48.23 in each 100 born.
1859-1863.....	4,050.....	3,752,	or 107.9	to 100,	or 51.91	and 48.09 in each 100 born.
1864-1868.....	3,977.....	3,787,	or 105.0	to 100,	or 51.23	and 48.78 in each 100 born.
1869-1873.....	5,056.....	4,946,	or 102.2	to 100,	or 50.55	and 49.45 in each 100 born.
1874-1878.....	6,817.....	6,428,	or 106.0	to 100,	or 51.47	and 48.53 in each 100 born.
1879-1883.....	7,037.....	6,619,	or 106.3	to 100,	or 51.53	and 49.47 in each 100 born.
30 years...	31,108.....	29,417,	or 105.7	to 100,	or 51.40	and 48.60 in each 100 born.

These statistics will be found for each year separately, in the report for 1882, page 5.

Color. The number of colored children born in Providence in 1883, was 114, or 18 more than in 1882. If we assume that the colored inhabitants bear the same proportion to the whole population as in the census of 1880, it gives as the colored population in 1883, 4,151. From these figures we find the ratio of births in this class to be one in 36.41, or 27.46 in each thousand of the colored population. The ratio of all births during the year to the total population was one in 40.95, or 24.42 to each thousand persons. The white population of the city was 115,254; the number of white children born, 2,802, the ratio one in 41.13, or 24.31 to each thousand persons.

The number of colored children was as follows in each ward: first ward, 13; second, 14; third, 4; fourth, 5; sixth, 13; seventh, 15; eighth, 7; ninth, 43; there were no colored children born in the fifth or tenth wards. In the different months the numbers were: January.

7, February 12, March 9, April 10, May 11, June 14, July 12, August 9, September 9, October 10, November 5, December 6. The proportion of the sexes in this class of children were as follows : 61 males and 53 females ; or 115.1 males to 100 females ; or 53.51 males and 46.49 females in each 100 born. In the twenty-eight years, 1856 to 1883, the proportions have been as follows ; the statistics are given by periods of five years from 1856 to 1880 ; in the report for 1882, page 6, they are given for each year separately.

	Total.	Males.	Females.	Males.	Females.	Males.	Females.
1856-1860.....	222.....	119.....	103, or 115.5 to 100, or 53.60 and 46.40 in each 100 born.				
1861-1865.....	228.....	122.....	106, or 115.1 to 100, or 53.51 and 46.49 in each 100 born.				
1866-1870.....	421.....	233.....	188, or 123.9 to 100, or 55.34 and 44.66 in each 100 born.				
1871-1875.....	512.....	267.....	245, or 108.9 to 100, or 52.15 and 47.85 in each 100 born.				
1876-1880.....	511.....	269.....	242, or 111.1 to 100, or 52.64 and 47.36 in each 100 born.				
1881.....	121.....	64.....	57, or 112.3 to 100, or 52.89 and 47.11 in each 100 born.				
1882.....	96.....	44.....	52, or 84.6 to 100, or 45.83 and 54.17 in each 100 born.				
1883.....	114.....	61.....	53, or 115.1 to 100, or 53.51 and 46.49 in each 100 born.				
28 years...2 225.....	1,170.....	1,046, or 112.7 to 100, or 52.99 and 47.01 in each 100 born.					

The number of births, marriages and deaths among the colored people of Providence during this same period of twenty-eight years, was as follows :—

Twenty-seven years, 1856-1882.....	2,111 births....	1,042 marriages.....	2,197 deaths.
1883.....	114 births....	54 marriages.....	120 deaths.
Twenty-eight years, 1856-1883.....	2,225 births....	1,096 marriages.....	2,317 deaths.

The proportion of deaths to births in 1883, was 105.2 to 100 ; for the whole period it was 104.1 deaths to 100 births.

The births, marriages and deaths among the colored population are given below, in periods of five years from 1856 to 1880, and for each of the last three years, 1881, 1882, and 1883 :—

	Births.	Marriages.	Deaths.
1856-1860.....	222.....	75.....	267
1861-1865.....	228.....	117.....	291
1866-1870.....	421.....	241.....	365
1871-1875.....	512.....	257.....	543
1876-1880.....	511.....	238.....	529
1881.....	121.....	61.....	107
1882.....	96.....	53.....	95
1883.....	114.....	54.....	120
28 years.....	2,225.....	1,096.....	2,317

The figures for each year separately, may be found on page 7, of the report for 1882.

PARENTAGE.

The following tables in relation to the parentage of the children born in the city, contain many interesting facts, showing the great and constantly increasing variety of nations represented in our population.

Table III. shows how many children of different classes of parentage were born in each ward ; also the number and percentage of each nationality in the whole city. Where the parents were of different foreign nations, the parentage is given according to the birth-place of the father :—

TABLE III. BIRTHS, 1883. *Wards and Parentage.*

This table has for a number of years shown that the foreign population is largely to be found in the Third, Fifth and Tenth wards; these wards always showing a large excess of children of foreign parentage; in some years the children of Irish parentage alone,

exceeding the number of American parentage; but that is not the case in any ward in 1883. Sometimes the First ward has also shown an excess of the foreign element; in 1883 it was not so, but the number of children of American parentage was only two more than of the foreign class. The "other foreign" not specified in the table were as follows: In the *First* ward, 12 of Russian and Polish parentage; *Third*, 1 of Swedish parentage; *Fourth*, 9 Italian, 6 Swedish, 1 Norwegian; *Fifth*, 3 Swedish, 2 French, 1 Dutch, 1 Italian; *Sixth*, 2 Swedish, 1 Russian, 1 Italian; *Seventh*, 10 Italian; *Eighth*, 1 Russian, 1 Swedish; *Ninth*, 5 Swedish, 2 French; *Tenth*, 3 Swedish, 2 Italian, 1 Austrian. In the whole city there were 23 of Italian parentage; 21 of Swedish; 14 Russian; 4 French; 1 Norwegian; 1 Dutch; 1 Austrian.

The following is a statement of the number and percentage of children of American, foreign and mixed parentage, born since 1856. The statistics are given for periods of five years, from 1856 to 1880 inclusive, and for each of the three years, 1881, 1882, and 1883; also for the whole period:—

Years.	American.		Foreign.		Am. father. For. mother.		For. father. Am. mother.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1856-1860.....	3,327.....	39.95.....	4,424.....	53.10.....	292.....	3.51.....	285.....	3.42
1861-1865.....	2,706.....	37.57.....	3,809.....	52.89.....	352.....	4.89.....	336.....	4.66
1866-1870.....	3,702.....	41.92.....	4,118.....	46.64.....	447.....	5.06.....	503.....	6.38
1871-1875.....	4,722.....	40.23.....	5,353.....	45.61.....	693.....	5.90.....	970.....	8.26
1876-1880.....	5,173.....	39.95.....	5,597.....	43.22.....	929.....	7.17.....	1,251.....	9.66
1881.....	1,141.....	40.71.....	1,151.....	41.06.....	224.....	7.09.....	287.....	10.24
1882.....	1,146.....	41.10.....	1,140.....	40.90.....	224.....	8.03.....	278.....	9.97
1883.....	1,186.....	40.67.....	1,137.....	38.99.....	271.....	9.30.....	322.....	11.04
23 years.....	23,103.....	40.14.....	26,729.....	46.44.....	3,432.....	5.96.....	4,292.....	7.46

It will be seen that the percentage of children of American parentage has varied very little throughout the entire period of twenty-eight years; while the percentage of foreign parentage has decreased considerably. In both classes of mixed parentage, the percentage has steadily increased. The number of children of American parentage in 1883, was larger than ever before, though there have been some years when the percentage was larger. The number of children of foreign parentage in 1883, was but 3 less than in the year before, but the percentage was 1.91 less, and was the lowest ever re-

corded in this class. In the two classes of mixed parentage the number and percentage were both the largest ever recorded.

These particulars are given for each year, from 1856 to 1882, on page 9 of the report for 1882.

The percentage of children born in Providence of parents of each nation, is as follows, for each of the twenty-eight years, 1856–1883, inclusive :—

	English.			British.		Other.
	American.	Irish.	S. & W.	German.	American.	Portuguese. for.
	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.	Per cent.
1856.....	42.09.....	41.79.....	4.84.....	2.27.....	.....	.....
1857.....	38.51.....	44.32.....	5.92.....	3.73.....	.....	.....
1858.....	41.30.....	42.98.....	4.82.....	2.26.....	.....	.....
1859.....	37.60.....	45.58.....	5.34.....	3.26.....	.....	.....
1860.....	40.11.....	40.96.....	6.55.....	2.85.....	.....	.....
1861.....	37.91.....	42.01.....	6.03.....	2.49.....	.....	.....
1862.....	38.52.....	41.53.....	6.02.....	3.07.....	.....	.....
1863.....	35.73.....	43.08.....	6.35.....	2.98.....	.....	.....
1864.....	38.69.....	41.36.....	6.55.....	2.75.....	.....	.....
1865.....	36.67.....	42.90.....	5.93.....	1.85.....	.....	.....
1866.....	40.20.....	39.52.....	6.25.....	2.21.....	.....	.....
1867.....	39.72.....	37.81.....	5.66.....	3.02.....	.....	.....
1868.....	41.75.....	36.01.....	6.48.....	1.88.....	1.07.....	.....
1869.....	45.19.....	34.14.....	4.01.....	1.81.....	1.32.....	.....
1870.....	42.35.....	34.68.....	6.19.....	1.96.....	1.91.....	.....
1871.....	44.85.....	32.25.....	4.54.....	1.63.....	2.09.....	.....
1872.....	41.12.....	32.46.....	5.67.....	2.77.....	2.31.....	.....
1873.....	40.84.....	30.50.....	7.19.....	1.88.....	2.49.....	.....
1874.....	38.42.....	32.63.....	8.13.....	2.34.....	2.19.....	1.23.....
1875.....	37.50.....	31.53.....	7.69.....	2.85.....	2.67.....	.98.....
1876.....	38.27.....	31.05.....	7.75.....	2.59.....	2.80.....	1.22.....
1877.....	41.45.....	28.08.....	6.96.....	1.96.....	2.56.....	1.10.....
1878.....	39.40.....	29.65.....	6.74.....	2.55.....	2.86.....	1.18.....
1879.....	40.80.....	27.04.....	6.82.....	1.98.....	2.54.....	.96.....
1880.....	39.90.....	26.15.....	7.50.....	1.67.....	3.27.....	1.60.....
1881.....	40.71.....	23.19.....	9.24.....	2.03.....	3.00.....	1.07.....
1882.....	41.10.....	21.99.....	8.72.....	1.97.....	4.16.....	1.08.....
1883.....	40.67.....	21.23.....	9.02.....	2.67.....	3.05.....	0.79.....

The British American were included in the “other foreign” until 1868 ; and the Portuguese until 1874.

Table IV. gives the birth-blace of both parents, thus showing more exactly the parentage of the 2,916 children born in 1883 :—

9

TABLE IV. BIRTHS, 1883. Parentage.

-
1
1
1
1
0
1
1
0
-

There were 1,186 children whose parents were both natives of the United States; 40.67 per cent. of all children born; the number was 40 more and the per cent. 0.48 less than in 1882. There were also 271 children whose fathers were American and mothers foreign; this made a total of 1,457 children of American fathers, or 49.97 per cent. of all; this was 87 more children, and 0.84 per cent. more than in 1882. There were 322 children whose mothers were American and fathers foreign; this gave a total of 1,508 children of American mothers, or 51.71 per cent. of all; 84 more children, and 0.64 per cent. more than in the previous year. The children of both classes of mixed parentage numbered 593, or 20.84 per cent. of all; this was 91 more children, and 2.34 per cent. more than in 1882. The number of children in 1883, whose parents were both foreign was 1,137, or 38.99 per cent. of all; this was 3 less children and 1.91 per cent. less than in 1882. Of these 1,137 children, there were 988, or 86.89 per cent., whose parents were natives of the same foreign country; and 149, or 13.11 per cent., whose parents were of different foreign countries.

NUMBER OF THE CHILD.

Table V. shows how many of the 2,916 children born in 1883 were the first, second, third, etc., children of their mothers ; also the same facts in regard to the 56,240 children born during the twenty-eight years preceding, 1855-1882, inclusive :—

TABLE V. BIRTHS, 1883. *Number of the Child.*

NUMBER OF CHILD.	1883.	28 years, 1855-1882.	NUMBER OF CHILD.	1883.	28 years, 1855-1882.
<i>First</i> child of the mother	755	13,749	<i>Twelfth</i> child of the moth'r	10	22
<i>Second</i> " " "	567	11,427	<i>Thirteenth</i> " " "	1	16
<i>Third</i> " " "	484	8,912	<i>Fourteenth</i> " " "	5	9
<i>Fourth</i> " " "	326	6,809	<i>Fifteenth</i> " " "	.....	2
<i>Fifth</i> " " "	272	5,022	<i>Sixteenth</i> " " "	.....	8
<i>Sixth</i> " " "	183	3,598	<i>Seventeenth</i> " " "	.....	7
<i>Seventh</i> " " "	134	2,554	<i>Eighteenth</i> " " "	.....	1
<i>Eighth</i> " " "	85	1,648	<i>Nineteenth</i> " " "	.....	4
<i>Ninth</i> " " "	72	1,054			
<i>Tenth</i> " " "	45	676	Whole number of chil-		
<i>Eleventh</i> " " "	27	370	dren.....	2,916	56,240

The 755 children who were the first children of their mothers, were 25.89 per cent. of the 2,916 children born in 1883 ; this was 1.18 per cent. more than the proportion of first children in 1882. Of the 56,240 children born in the twenty-eight years, 1855 to 1882, there were 13,749, or 24.44 per cent., who were the first children of their mothers.

Average number of children to each mother. There were 31 twin births in Providence in 1883 ; this number taken from the 2,916 children born during the year leaves 2,885 as the number of mothers bearing children in 1883. Table VII. shows that these 2,885 mothers had borne in all 10,048 children ; an average of 3.48 children to each mother.

The next table shows the average number of children to each mother, in each of the twenty-nine years, 1855-1883, inclusive.

This table shows the number of children the mothers included in the figures had borne, previous to the end of the year 1883; but it does not show the average number of children the same mothers may have in their life-time:—

TABLE VI. BIRTHS, 1855 TO 1883.

Average number of children to each mother.

Years.	No. of Mothers.	No. of Children.	Aggregate. No. of Children.	Average.
1855.....	1,588.....	1,600.....	5,214.....	3.28 children to each mother.
1856.....	1,658.....	1,675.....	5,562.....	3.35 children to each mother.
1857.....	1,664.....	1,688.....	5,786.....	3.44 children to each mother.
1858.....	1,706.....	1,724.....	5,685.....	3.33 children to each mother.
1859.....	1,570.....	1,593.....	5,618.....	3.58 children to each mother.
1860.....	1,627.....	1,648.....	5,841.....	3.59 children to each mother.
1861.....	1,694.....	1,725.....	6,017.....	3.55 children to each mother.
1862.....	1,512.....	1,529.....	5,322.....	3.52 children to each mother.
1863.....	1,296.....	1,307.....	4,717.....	3.64 children to each mother.
1864.....	1,327.....	1,344.....	4,887.....	3.68 children to each mother.
1865.....	1,279.....	1,298.....	4,625.....	3.60 children to each mother.
1866.....	1,614.....	1,632.....	5,744.....	3.56 children to each mother.
1867.....	1,595.....	1,624.....	5,497.....	3.50 children to each mother.
1868.....	1,841.....	1,866.....	6,338.....	3.44 children to each mother.
1869.....	1,797.....	1,819.....	5,954.....	3.30 children to each mother.
1870.....	1,859.....	1,889.....	6,145.....	3.31 children to each mother.
1871.....	1,937.....	1,960.....	5,420.....	3.31 children to each mother.
1872.....	2,174.....	2,206.....	7,346.....	3.38 children to each mother.
1873.....	2,104.....	2,128.....	6,781.....	3.20 children to each mother.
1874.....	2,738.....	2,780.....	8,960.....	3.27 children to each mother.
1875.....	2,634.....	2,664.....	8,977.....	3.41 children to each mother.
1876.....	2,604.....	2,631.....	8,914.....	3.42 children to each mother.
1877.....	2,516.....	2,543.....	8,705.....	3.46 children to each mother.
1878.....	2,597.....	2,627.....	9,417.....	3.63 children to each mother.
1879.....	2,499.....	2,522.....	8,942.....	3.58 children to each mother.
1880.....	2,600.....	2,627.....	9,286.....	3.61 children to each mother.
1881.....	2,780.....	2,803.....	10,111.....	3.64 children to each mother.
1882.....	2,759.....	2,788.....	9,974.....	3.62 children to each mother.
1883.....	2,885.....	2,916.....	10,048.....	3.48 children to each mother.
29 years.....	58,454.....	59,156.....	202,833.....	3.47 children to each mother.

Table VII. gives the number of the child in connection with the age of the mother; shows how many first, second, third, etc., children were borne in 1883 by mothers at the ages given; the number of mothers of each age, and the aggregate and average number of children they had borne:—

TABLE VII. BIRTHS, 1883. *Number of child with age of mother.*

AGE OF THE MOTHERS IN YEARS.	NUMBER OF CHILD.														Number of mothers at each age.	Children they bore in 1883.	Total children they had borne.	Average number of children to mothers at each age.
	1st.	2d.	3d.	4th.	5th.	6th.	7th.	8th.	9th.	10th.	11th.	12th.	13th.	14th.				
15.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1.00
16.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	2	1.00
17.....	12	1	...	...	...	...	...	...	...	...	...	...	...	...	13	13	14	1.07
18.....	23	5	...	...	...	...	...	...	...	...	...	...	...	...	33	38	36	1.15
19.....	37	10	...	...	...	...	...	...	...	...	...	...	...	...	47	47	57	1.21
20.....	†43	19	1	...	...	...	...	...	...	...	...	...	...	...	51	63	82	1.34
21.....	56	22	5	2	...	...	...	...	...	...	...	...	...	...	85	85	123	1.44
22.....	*81	42	17	8	...	...	...	...	...	...	...	...	...	...	145	146	230	1.58
23.....	*74	47	11	9	2	...	...	...	...	...	...	...	...	...	149	143	246	1.73
24.....	†78	60	36	16	1	1	1	...	...	...	...	...	...	...	189	191	334	2.03
25.....	74	46	38	18	6	4	...	...	...	...	...	...	...	...	181	181	301	2.16
26.....	60	†47	*42	25	12	4	2	1	...	...	...	...	...	...	190	193	479	2.52
27.....	*44	43	47	22	11	5	3	...	...	...	...	...	...	...	174	175	461	2.66
28.....	*39	*49	30	*32	23	13	1	2	...	...	...	...	...	...	186	189	564	3.03
29.....	22	47	24	*25	19	13	*2	4	...	...	...	...	...	...	154	156	496	3.22
30.....	30	39	36	36	40	19	3	3	1	1	...	...	...	...	208	206	739	3.54
31.....	*14	*21	25	25	21	*12	9	4	2	...	...	...	...	...	130	133	512	3.93
32.....	15	14	21	25	22	14	10	6	...	1	...	...	1	...	129	129	541	4.19
33.....	11	14	20	16	18	16	9	8	2	2	...	...	...	...	111	111	489	4.40
34.....	8	4	*15	15	*18	23	15	2	2	2	1	...	...	...	98	100	506	5.16
35.....	8	12	20	15	17	*18	18	*12	13	5	...	1	...	...	132	134	702	5.31
36.....	5	4	15	12	17	4	13	3	4	2	2	1	...	...	82	82	420	5.12
37.....	8	*7	*9	15	17	*11	*14	9	7	1	4	1	...	...	94	93	536	5.70
38.....	...	8	13	6	9	11	15	*8	11	5	5	...	...	...	90	91	555	6.16
39.....	8	4	4	3	5	2	8	4	10	4	3	1	...	1	52	53	319	6.13
40.....	...	1	3	2	4	*7	8	9	7	*10	4	1	...	...	54	58	412	7.33
41.....	1	...	2	2	7	4	2	1	5	8	4	...	...	...	31	31	215	6.93
42.....	2	...	1	1	3	1	2	2	4	2	3	2	...	...	23	23	173	7.52
43.....	...	...	2	1	3	5	*2	3	1	1	...	1	...	1	19	20	131	6.89
44.....	...	...	...	...	1	...	1	1	...	...	1	...	...	2	6	6	59	9.33
45.....	1	...	2	...	...	1	1	3	2	3	...	1	...	1	15	15	118	7.86
47.....	...	...	...	...	...	...	...	...	*1	3	...	...	...	...	3	4	30	10.00
48.....	...	...	...	...	1	...	...	...	...	...	...	1	...	...	2	2	17	8.50
not given.	2	1	...	...	...	...	...	...	...	...	...	...	...	...	3	3	4	1.33
Totals ...	755	367	434	326	272	183	134	85	72	45	37	10	1	5	2,885	2,916	10,048	3.48

* One of these mothers bore twins. † Two of these mothers bore twins.

The reference marks in this table show the number of the first child in each case of twin births ; thus at the age of 26, three mothers bore twins ; in two cases they were the second and third children, and in one, the third and fourth ; at the age of 34, two mothers bore twins ; in one case they were the third and fourth children ; and in one, the fifth and sixth.

There were in 1883, 153 mothers of 40 years of age and over, who bore 157 children during the year ; they had borne in all 1,155

children, an average of 7.55 to each mother. The record of the ages of the mothers has been kept since July 1, 1863, a period of twenty years and six months; in this time there have been 2,205 mothers of 40 years and over, and they have borne 2,231 children during the time.

The whole number of children borne by these mothers was 15,988, an average of 7.25 children to each mother.

During this twenty years and six months, since July 1, 1863, the number of children borne by mothers whose age was stated, was 45,225; the number of children to mothers at each age, was as follows:—

Age of mother.	Children.	Age of mother.	Children.	Age of mother.	Children.
14.....	5	27.....	2,715	40.....	1,004
15.....	21	28.....	3,146	41.....	304
16.....	64	29....	2,336	42.....	372
17.....	193	30.....	3,561	43.....	207
18.....	466	31.....	1,586	44.....	124
19.....	776	32.....	2,165	45.....	129
20.....	1,236	33.....	1,790	46.....	32
21.....	1,459	34.....	1,532	47.....	31
22.....	2,183	35.....	2,261	48.....	14
23.....	2,399	36.....	1,401	49.....	8
24.....	2,680	37.....	1,166	50.....	11
25.....	3,025	38.....	1,252		
26.....	2,771	39.....	805	All known ages...	45,225

These 45,225 children were divided as follows, to mothers of different divisions of age:—

	Number of mothers.	Per cent.
Under twenty years.....	1,525.....	3.37
Twenty, and under twenty-five.....	9,957.....	22.02
Twenty-five, and under thirty..	13,993.....	30.94
Thirty, and under thirty-five.....	10,634.....	23.51
Thirth-five, and under forty.....	6,885.....	15.22
Forty, and under forty-five.....	2,011.....	4.45
Forty-five and over.....	220.....	0.49
Total.....	45,225.....	100.00

PLURALITY BIRTHS.

There were 31 cases of plurality births in Providence in 1883; this was two more than in the preceding year.

The general statistics of these cases are as follows:—

Cases. 31 ; children, 62.

Locality. First ward, 2 ; Second, 0 ; Third, 6 ; Fourth, 0 ; Fifth, 5 ; Sixth, 0 ; Seventh, 1 ; Eighth, 3 ; Ninth, 5 ; Tenth, 9.

Season. January, 0 ; February, 0 ; March, 4 ; April, 3 ; May, 3 ; June, 8 ; July, 2 ; August, 3 ; September, 4 ; October, 2 ; November, 0 ; December, 2.

Sex. In 8 cases, both children were males ; in 12, both were females ; and in 11 cases there was one child of each sex ; total 27 male and 35 female children.

Color. All the parents were white.

Number of the children and age of the mother. From the reference marks in Table VII. we learn the number of plurality births to mothers of different ages ; also the number of the children in each case. In nine cases they were the first and second children of mothers, two of whom were twenty years old ; two were 24 ; and one each of 22, 23, 27, 28, and 31 years ; in five cases they were the second and third children of mothers, two of whom were 26 years old, and one each of 28, 31, and 37 years ; in three cases the third and fourth children of mothers 26, 34 and 37 years old ; in two cases the fourth and fifth children of mothers 28 and 29 years old ; in one case the fifth and sixth children of a mother 34 years old ; in four, the sixth and seventh children of mothers 31, 35, 37, and 40 years old ; in three, the seventh and eighth children of mothers 29, 37, and 43 years old ; in two, the eighth and ninth children of mothers 35 and 38 years old ; in one case the ninth and tenth children of a mother 47 years old ; and in one, the tenth and eleventh children of a mother 40 years old.

Parentage. The parentage of the 31 cases was as follows:—

Cases.	Parentage.	Cases.	Parentage.
10.....	American.	1.....	English.
4.....	Irish.	1.....	Scotch.
2.....	Br. American.	2.....	American and Irish.
1.....	German.	4.....	Irish and American.
1.....	Irish and Scotch.	1.....	English and Scotch.
1.....	Irish and English.	1.....	English and B. American.
1.....	American and English.	1.....	B. American and American.

TWENTY-NINE YEARS' SUMMARY OF PLURALITY BIRTHS.

There have been 693 cases of plurality births in Providence in the twenty-nine years, 1855 to 1883; 684 of twins and nine of triplets.

Sex. Of the nine cases of triplets, in one case, all the children were males; in five cases, all were females; and in three cases, there were two male children and one female; making 9 male and 18 female children in the nine cases.

Of the 684 cases of twins there were 223 cases where both children were males; in 233 cases, both were females, and in 228 there was one male and one female child; 674 male, and 694 female children.

In the 693 cases of plurality births there were 1,395 children, of whom 683 were males and 712 females; or 104.2 females to 100 males; or 51.04 girls and 49.96 boys in each 100 children.

Color. In all the cases of triplets, the parents were white; in the 684 cases of twins, there were 633 where the parents were white, and 51 where they were colored.

Parentage. Of the triplets, in one case the parents were both American; in five cases, both were Irish; in one case, both German; in one, the father was English and the mother Irish; and in one, the father Scotch and the mother Irish. There was but one American mother in the nine cases.

The nativity of both parents is given in the following table for the 684 cases of twin births; the first letter indicating the father's birth-place and the second the mother's.

A., American; I., Irish; E., English; S., Scotch; W., Welsh; G., German; B. A., British American; D., Dutch; P., Portuguese; It., Italian; Sw., Swedish; N., Norwegian; F., French.

Parentage.	No.	Parentage.	No.	Parentage.	No.	Parentage.	No.
A. and A	230	I. and A.....	20	B. A. and I.....	2	I. and S.....	3
I. and I.....	251	E. and A.....	14	Sw. and I.....	1	E. and S ..	2
E. and E	31	S. and A.....	2	It. and I.....	1	E. and B. A.....	1
S. and S.....	8	B. A. and A.....	7	P. and I.....	1	I. and W.....	1
G. and G.....	18	G. and A.....	2	A. and E.....	5	A. and B. A.....	6
B. A. and B. A...	13	Sw. and A.....	1	I. and E.....	7	I. and B. A..	2
D. and D.....	1	A. and I.....	17	S. and E.....	1	F. and B. A.....	1
N. and N.....	1	E. and I.	12	G. and E.....	1	S. and B. A.....	1
P. and P.....	9	S. and I.....	3	B. A. and E.....	1	A. and Sw.....	1
It. and It.....	2	G. and I.....	1	A. and S.....	1	Total.....	684

In these 684 cases there were 276 American mothers, or 40.35 per cent. of all ; the number of Irish mothers was 289, or 42.25 per cent. ; the mothers of other foreign birth numbered 119, or 17.40 per cent. In the 693 cases of plurality births there have been 277 American mothers ; this was about 1.00 per cent. of the 27,816 American mothers who bore children during these twenty-nine years. There were 416 mothers of foreign birth, which was 1.36 per cent. of the 30,638 foreign mothers bearing children in this period of years.

Proportion of plurality births to whole number. The following figures show the number and proportion of plurality births in 1883, and in the twenty-nine years, 1855 to 1883 :—

	Single Births.	Twin.	Triplet.	Whole No. of Births.	Whole No. of Children.
28 years, 1855–1882..	54,907.....	653.....	9.....	55,569	56,240
1883	2,854.....	81.....	.....	2,885	2,916
29 years, 1855–1883..	57,761.....	684.....	9.....	58,454.....	59,156

Proportion of cases of plurality births :—

	Twins.	Triplets.
1855–1882.....	1 in 85.1.....	1 in 6,174.3
1883.....	1 in 98.1.....	
1855–1883.....	1 in 85.5	1 in 6,494.8

Proportion of *children* of plurality births :—

	Twins.	Triplets.
1855-1882.....	1 in 43.1.....	1 in 2,082.9
1883.....	1 in 47.0.....	
1855-1883.....	1 in 43.2.....	1 in 2,190.9

Proportion of plurality births by parentage. In the twenty-nine years, 1855 to 1883, the whole number of births was 58,454. The following table shows the number of births of American, foreign, and mixed parentage, and the number and proportion of plurality births in each of these classes :—

	Whole No. Births.	Plurality Cases.	1 in	Per Ct.
American parents.....	23,510.....	231.....	101.7.....	0.98
Foreign parents.....	27,190.....	886.....	70.4.....	1.42
Am. father, foreign mother.	3,448.....	30.....	114.9.....	0.87
Foreign father, Am. mother.	4,306.....	46.....	93.6.....	1.07
Total.....	58,454.....	693.....	84.3.....	1.19

Of the 693 cases during this period, the 231 of American parentage, were 33.33 per cent. ; the 386 of foreign parentage, were 55.70 per cent. ; the 30 with American fathers and foreign mothers were 4.33 per cent. ; and the 46 with foreign fathers and American mothers were 6.64 per cent.

MARRIAGES.

The number of marriages in Providence in 1883, was 1,177.

Table VIII. gives the number of marriages in each month and quarter of the year 1883, and of each of the six years preceding; also the aggregate and average number for each month and quarter for the twenty-nine years, 1855 to 1883 :—

TABLE VIII. MARRIAGES. *Season.*

The number of marriages in 1883 was but five more than in 1882. On page 2, we estimated the population of the city at 119,405; the 2,354 persons married in 1883, give, therefore, a ratio of one in 50.72 of the population, 19.71 persons married in each thousand. The ratio of persons married to births, was 80.73 to 100; of persons married to deaths 101.1 to 100.

Season. These marriages were more evenly divided than usual between the first and last half of the year, there being only 7 more in the last six months than in the first six. The largest quarterly total was 344 in the fourth quarter; the smallest, 244 in the first quarter. The largest number in any one month was 143 in October, and the smallest, 65 in February.

The following figures give the number and percentage in each quarter of the year 1883, and of the twenty-eight years, 1855-1882 :—

	1883.		1855-1882.	
	Marriages.	Per cent.	Marriages.	Per cent.
Jan.-March.....	244.....	20.73.....	5,279.....	21.73
April-June.....	341.....	28.97.....	6,234.....	25.66
July-Sept.....	248.....	21.07.....	5,642.....	23.22
Oct.-Dec.....	344.....	29.23.....	7,138.....	29.39
Year.....	1,177.....	100.00.....	24,293.....	100.00

Table IX. gives the birth-place of both parties in each of the 1,177 marriages during the year 1883 :—

TABLE IX. MARRIAGES, 1883. *Nativity of the parties.*

Bride and Groom born in the same country. The number of marriages in 1883, in which the bride and groom were natives of the same country was 873, or 74.17 per cent. of all; this was one more marriage, but 0.23 per cent. less than in 1882. In 606 marriages, or 51.49 per cent. of all, both parties were natives of the United States; this was 10 less marriages, and 1.07 less per cent. than in the preceding year. In 135 marriages, or 11.47 per cent., both parties were born in Ireland; 11 more marriages, 0.89 per cent. more than in 1882.

There were 64 marriages where both were born in England or Scotland; 5 more than in 1882; 12 where both were natives of Germany, or 2 less than in the preceding year; and 27 where both were born in British America; 1 less than in 1882.

Bride and Groom born in different countries. In 304 marriages, or 25.83 per cent. of all, the bride and groom were natives of different countries. The number of grooms born in the United States, who married women of foreign nativity was 128, or 42.11 per cent. of the 304. The number of American women who married foreign

men was 119, or 39.14 per cent. of the 304. There were in all 734 grooms born in the United States; of these, the 128 who married foreign women were 17.44 per cent. The whole number of brides born in this country was 725; the 119 who married foreigners were 16.41 per cent. of this number. There were 187 grooms born in Ireland, of whom 52, or 27.81 per cent. married natives of other countries; and 209 brides born in Ireland, of whom 74, or 35.41 per cent., married natives of some other country. Of the 121 grooms born in England or Scotland, 57, or 47.11 per cent., married women of other countries; of the 27 born in Germany, 15, or 55.55 per cent.; of the 57 born in British America, 30, or 52.63 per cent.

The 35 grooms who were natives of "other countries" than those specified in the table were born as follows: in Sweden, 12; in Italy, 7; in Russia, Norway, the West Indies, and on the Atlantic Ocean, 2 each; and 1 each in France, Spain, Denmark, Australia, Sandwich Islands, Calcutta, Island of Corfu, and Island of Guan.

There were 23 brides, natives of "other countries" who were born as follows: in Sweden, 12; in Italy, 6; in Russia, Norway, Bohemia, Switzerland and West Indies, 1 each.

The following table shows the number and percentage of American, foreign and mixed marriages in the twenty-nine years, from 1855 to 1883; the statistics are given for periods of five years from 1855 to 1879; and for each of the four years 1880, 1881, 1882, 1883. The same statistics for each one of the twenty-eight years, 1855-1882, will be found on page 25 of the Report for 1882:—

Years.	American.		Foreign.		Mixed.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1855-1859.....	1,660.....	54.25.....	1,090.....	35.62.....	310.....	10.13
1860-1864.....	1,607.....	55.40.....	929.....	32.29.....	377.....	12.31
1865-1869.....	2,433.....	58.23.....	1,216.....	29.11.....	529.....	12.66
1870-1874.....	2,906.....	55.84.....	1,508.....	28.39.....	838.....	15.77
1875-1879.....	2,932.....	57.85.....	1,256.....	24.78.....	880.....	17.37
1880.....	750.....	60.88.....	243.....	19.72.....	239.....	19.40
1881.....	675.....	56.16.....	265.....	23.04.....	262.....	21.80
1882.....	616.....	52.56.....	302.....	25.77.....	254.....	21.67
1883.....	606.....	51.49.....	324.....	27.52.....	247.....	20.99
29 years.....	14,335.....	56.29.....	7,193.....	28.25.....	3,936.....	15.46

The proportion of American marriages during the last four years averages 55.34 per cent.; the foreign 23.71 per cent.; and the mixed 20.95 per cent.

The changes in the proportion of American marriages have been comparatively slight; the proportion of foreign marriages has decreased considerably, and the proportion of mixed marriages (where one of the parties was of American, and the other of foreign birth) has doubled. The whole number of marriages as given in this table is 25,464, while in Table VIII. the total is 25,470; this is owing to imperfect statistics in the early years of the records; see Report for 1879, page 22.

Marriages of colored persons. The number of marriages of colored persons in 1883, was 53; and one in which the man was colored, (Indian), and the woman white; making 54, or 1 more than in 1882. In 1881 and in 1882 there were 5 marriages, where one of the parties was colored, and one white.

The aggregate and average age of the parties in 1883 were:—

54 males.....	Aggregate age, 1,616 years.....	Average age, 29.93 year.
53 females.....	Aggregate age, 1,401 years.....	Average age, 26.43 year.

The difference in the number of males and females is owing to the fact of the mixed marriages just alluded to. The same difference of course will be observed in the aggregate numbers given below for the period of 28 years, 1856–1883 inclusive. The whole number of marriages of colored persons during that time, either one or both parties being colored, was 1,096, the aggregate and average age of the parties was as follows:—

1,095 males.....	Aggregate age, 32,431 years.....	Average age, 29.62 years.
1,086 females.....	Aggregate age, 28,494 years.....	Average age, 26.24 year.

Ages of persons married. Table X. gives the number and percentage of brides and grooms in each division of ages:—.

TABLE X. MARRIAGES, 1883. *Ages of the parties.*

In 449 marriages, or 38.15 per cent. of all, the bride and groom were in the same division of age.

There were 414 grooms less than 25 years old, or 35.17 per cent. of all; the number of brides less than 25 was 651, or 55.31 per cent. of all.

The number of grooms less than 20 years old was only 11; while the number of brides in the same division of age, was twelve times that number, or 133.

The aggregate and average age of all persons married during the year, were as follows :—

1,177 males.....	Aggregate age, 34,505 years.....	Average age, 29.32 years
1,177 females.....	Aggregate age, 30,332 years.....	Average age, 25.68 years

The following figures give these statistics for the period of twenty-eight years, 1856–1883 ; by periods of five years from 1856 to 1880 inclusive ; and for each of the three years, 1881, 1882, 1883. They are given for each year separately, in the report for 1882, page 28.

Males.				Females.		
Years.	No.	Aggregate age.	Average age.	No.	Aggregate age.	Average age.
1856–1860...	3,037....	84,831 years....	27.93 years....	3,034....	72,971 years....	24.05 years.
1861–1865...	3,152....	90,329 years....	28.66 years....	3,152....	77,353 years....	24.54 years.
1866–1870...	4,428....	125,681 years....	28.38 years....	4,428....	109,462 years....	24.72 years.
1871–1875...	5,432....	155,507 years....	28.63 years....	5,432....	135,426 years....	24.93 years.
1876–1880...	5,221...	152,003 years....	29.11 years....	5,221....	131,646 years....	25.21 years.
1881...	1,203....	35,283 years....	29.35 years....	1,202....	30,801 years....	25.62 years.
1882...	1,172....	34,068 years....	29.07 years....	1,172....	29,743 years....	25.38 years.
1883...	1,177....	34,505 years....	29.32 years....	1,177....	30,232 years....	25.68 years.
28 years..		24,821....	712,207 years....	28.69 years...	24,818...	617,634 years....
						24.89 years.

The number of males and females does not agree in this table, because in 1856 the ages of 17 males and 19 females, and in 1857. the ages of 7 males and 8 females, were not given.

Number of times married. Table XI. shows how many of the marriages in 1883 were the first, second or third marriages of the parties :—

TABLE XI. MARRIAGES, 1883. *Number of times married.*

GROOMS. Number of the Marriage.	BRIDES. Number of the Marriage.			Whole number of Grooms.
	First.	Second.	Third.	
First.....	850	75	1	926
Second.....	148	69	8	225
Third	12	10	1	23
Fourth.....	2	.....	1	3
Whole number of Brides.....	1,012	154	11	1,177

In 850 cases, or 72.22 per cent. of all, it was the first marriage of both groom and bride ; this was 31 less marriages and 2.95 per cent.

less than the first marriages in 1882. The whole number of grooms married for the first time was 926, or 78.67 per cent. of all ; of brides, 1,012, or 85.98 per cent.

In 69 cases, or 5.86 per cent., it was the second marriage of both parties.

Marriages of divorced persons. There were, in 1883, 8 marriages in which both parties had been divorced ; 42 in which the man only had been divorced ; and 45 where the woman only had been divorced ; making 95 marriages where one or both parties had been divorced ; this was 8.07 per cent. of all marriages during the year, or about one in 12 ; in 1882 the proportion was 5.55 per cent., or one in 18.

There were 2,354 persons married in Providence in 1883, of whom 103, or 4.37 per cent. of all, had been divorced. Of these 103 divorced persons, 50 were males, and 53 were females.

Of the 95 marriages, in which one or both the parties had been divorced, 2 were remarriages of the same persons.

The 95 marriages of divorced persons were solemnized by clergymen of different religious denominations as follows :—

Methodist Episcopal.....30	Episcopal..... 1
Congregational 6	Unitarian..... 8
Baptist.....19	Universalist.....10
Free Baptist..... 8	Judges of Supreme Court..... 3
Seaman's Mission..... 2	New Jerusalem..... 2
Advent..... 1	Free Religious..... 2
Latter Day Saints..... 1	Denomination not known..... 2

Denominational. The 1,177 marriages in 1883 were solemnized as follows by clergymen of different denominations or by civil authority :—

Roman Catholic.....	419	Swedish Christian.....	1
Baptist.....	139	Hebrew.....	3
Free Baptist.....	44	Friend's Ceremony.....	1
Methodist.....	196	Lutheran.....	3
Episcopalian.....	144	Latter Day Saints.....	6
Congregationalist.....	80	Regenerated Church of Christ.....	1
Unitarian.....	34	New Jerusalem Church.....	4
Universalist.....	38	Free Religious Society.....	3
Presbyterian.....	5	Gospel Free Church.....	3
United Presbyterian.....	19	Denomination not specified.....	6
Seaman's Mission.....	10	Judge of Supreme Court.....	10
Evangelical Advent.....	11		—
Advent Christian.....	8	Total.....	1.17

Nativity and residence. In 72 marriages, or 6.12 per cent. of all, the bride and groom were both natives of Providence; in 89 cases, the groom only was born here; and in 186, the bride only; this made 419 persons married, who were natives of Providence; this was 17.80 per cent. of the 2,354 persons married during the year.

There were 111 marriages, or 9.43 per cent. of all, where neither party was a resident of the city; of these 111, there were 79, or 71.17 per cent. where both parties came from outside the State; and in 58 cases they both came from Massachusetts; in 8 others, one of the parties was from Massachusetts.

There has been a constant decrease in the number of marriages of non-residents, since the passage of the new law (taking effect July 1st, 1881), requiring all persons married here to obtain a license at the office of the Registrar, previous to the marriage. This may be seen by the following figures:—

			Both from		
Both parties			outside the	Both from	One from
non-resident.			State.	Massachusetts.	Mass.
Per cent.					
1860.....	206.....	16.72.....	132.....	104.....	13
1881.....	195.....	16.22.....	130.....	102.....	13
1882.....	153.....	13.06.....	96.....	74.....	11
1883.....	111.....	9.43.....	79.....	58.....	8

The number of certificates issued from the Registrar's office during 1883 was 1,288, or 43 more than in 1882; in 96 cases the parties went out of the city to be married; there were 43 cases where persons came to be married in Providence, bringing a certificate from some other town in Rhode Island, where they resided; these marriages are recorded here, although the "Intention of Marriage" is not. There were 58 certificates or 4 50 per cent. of all, that were either not used, or of which no report has been received; it is quite likely that many of these persons also were married in some other town.

Marriage and education. The 2,354 persons married in 1883 were divided as follows, as to sex and nativity:—

Born in United States.....	Males, 734.....	Females, 725.....	Total, 1,459
Born in Foreign countries.....	Males, 443.....	Females, 452.....	Total, 895

In these different classes, the number and proportion who signed the marriage certificate with a mark were as follows:—

1883.	Whole Number Married.	Signed with a Mark.	In each 100.
Males born in United States.....	734.....	39.....	5.31
Females born in United States.....	725.....	51.....	7.03
Total born in United States.....	1,459.....	90.....	6.17
Males born in foreign countries.....	443.....	61.....	13.77
Females born in foreign countries.....	452.....	103.....	22.79
Total born in foreign countries....	895.....	164.....	18.33
Totals.....	2,354.....	254.....	10.79

The whole number of persons born in the United States, who signed the certificate with a mark was 90; 39 males and 51 females; but 26 of these were colored persons (11 males and 15 females); and 46 were children of foreign parents, (19 males and 27 females); so that only 18 persons (9 males and 9 females), of white American parentage signed with a mark; this was 11 more than in 1882, (5 more males and 6 more females).

In every class, except "males born in foreign countries," the number and proportion who signed with a mark in 1883 were larger

than in the year previous. The number born in the United States was 39 more ; the proportion 2.74 more. Of the foreign born, the number was 15 more, and the proportion 0.95 more. The whole number was 54 more and the proportion 2.26 more. The increase was largely among persons of American nativity, and much greater among females than males. The whole number of males who signed with a mark in 1883 was 100 ; 6 more than in 1882 ; the whole number of females was 154 ; 48 more than in the preceding year.

The following figures show these facts for the period of twenty-four years, 1859 to 1883 :—

1859-1883.	Whole Number Married.	Signed with a Mark.	In each 100.
Males born in United States.....	13,990.....	646.....	4.62
Females born in United States.....	14,247.....	918.....	6.44
Total born in United States.....	28,237.....	1,564.....	5.54
Males born in foreign countries.....	7,848.....	2,363.....	30.11
Females born in foreign countries.....	7,591.....	3,405.....	44.86
Total born in foreign countries.....	15,439.....	5,768.....	37.36
Totals.....	43,676.....	7,332.....	16.79

DEATHS.

The number of deaths in Providence, during the year 1883, was 2,328 ; a larger number than ever before reported in the city. The number was 86 more than in 1882, as follows : males, 50 more ; females, 36 more ; whites, 61 more ; colored, 25 more ; natives of the United States, 55 more ; natives of foreign countries, 31 more ; of American parentage, 82 more ; of foreign parentage, 4 more.

During the twenty-nine years, from 1855 to 1883 inclusive, the whole number of deaths in Providence, was 42,285 ; the average annual death rate was one in 50.89 of the population. In 1883, the death rate was one in 51.29, or 19.50 in each 1,000 of the population, estimated at 119,405.

The rate of mortality, in different classes of the population, in 1883, was as follows :—

	<i>Estimated</i> Population, 1883.	Deaths, 1883.	To population one death in	Deaths to each 1,000 of population.
Whole number.....	119,405.....	2,328.....	51.29.....	19.50
Males.....	57,001.....	1,130.....	50.44.....	19.82
Females.....	62,404.....	1,198.....	52.09.....	19.20
Whites.....	115,254.....	2,208.....	52.20.....	19.16
Colored.....	4,151.....	120.....	34.59.....	28.91
Born in United States.....	87,553.....	1,641.....	53.35.....	18.74
Born in foreign countries...	31,852.....	687.....	46.36.....	21.57
American parentage.....	55,013.....	1,047.....	52.54.....	19.03
Foreign parentage.....	64,392.....	1,281.....	50.26.....	19.89

The general statistics relating to the 2,328 deaths, in Providence, in 1883, are given in Table XII. on the next page :—

TABLE XII. DEATHS, 1883.

Sex, condition, color, nativity, parentage, locality and season.

Season. The subject of mortality in its relations to season is of very great interest and importance. In these reports we have, usually, considered the subject only with reference to the four quarters of the year, though the facts are given each year which would enable us to study the mortality by months.

In the year 1883, the largest quarterly mortality was 618 deaths in the second quarter; the smallest, 544 deaths in the fourth quarter. In the previous year, 1882, the largest mortality was in the fourth quarter, and the smallest in the second. The following figures show the number of deaths in each quarter of each of the last six years; also the aggregate and average number of deaths, in each quarter of the year, in the total for twenty-eight years, 1855 to 1882.

	28 years, 1855-1882.							
	1883.	1882.	1881.	1880.	1879.	1878.	Aggregate.	Av'rge.
January-March...	557....	528....	527....	560....	514....	541.....	9,648.....	345
April-June.....	618....	506....	557....	533....	439....	423.....	8 944.....	319
July-September..	609....	581....	580....	525....	493....	520.....	11,532.....	412
October-Dec.....	544....	627....	481....	462....	580...	505.....	9,833.....	351
Whole Year.....	2,328...	2,242...	2,145...	2,080...	2,026...	1,989.....	39,857.....	1,427

The number and percentage of deaths in each quarter of the year 1883, and for the twenty-eight years, 1855 to 1882 inclusive, were as follows—

	1883.		28 years, 1855-1882.	
	Deaths.	Per cent.	Deaths.	Per cent.
January-March.....	557.....	23.92	9,648.....	24.15
April-June.....	618.....	26.55.....	8,944.....	22.38
July-September.....	609.....	26.16.....	11,532.....	28.86
October-December.....	544.....	23.37.....	9,833.....	24.61
Totals.....	2,328.....	100.00.....	39,957.....	100.00

In the long period of twenty-eight years, it may be taken for granted, that the percentages of mortality in the different quarters of the year, are very nearly the standard rule for the city of Providence. At least, the relations of the several quarters of the year to each other, are probably the same as they would be in a much longer period of time.

In the last annual report for 1882, page 36, a table was given, continued from previous reports, showing the number and the percentage of deaths, in each quarter of *each of the twenty-eight years*, from 1855 to 1882 inclusive. It does not seem to be necessary to print this table in full, from year to year; but rather to begin a new annual statement, and also give some notes upon the general results of the annual statements up to 1882.

First quarter of the year. In 19 of the twenty-eight years, from 1855 to 1882 inclusive, the percentage of deaths in the first quarter, was less than one quarter of the whole ; in nine years it was greater. The largest proportion *in the first quarter* of the year, was 28.92 per cent. in 1856 ; the smallest proportion, was 20.54 in 1876.

Second quarter. The percentage of deaths in the second quarter of the year, was less than one-fourth of the whole, in 24 of the 28 years, and greater than one-fourth in only 4 years. The largest proportion, *in the second quarter* of the year, was 27.34 per cent. in 1858 ; the smallest proportion was 18.70 in 1857.

Third quarter. In only one of the 28 years, 1855 to 1882 inclusive, was the percentage of deaths, in the third quarter of the year, less than one-fourth of the whole. The largest proportion, *in the third quarter*, was 34.21 per cent. in 1855 ; the smallest proportion was 24.33 in 1879.

Fourth quarter. In 18 of the 28 years, the percentage of deaths in the fourth quarter of the year, was less than one-fourth of all ; in 10 years it was greater than one-fourth. The largest proportion, *in the fourth quarter*, was 28.63 per cent. in 1879 ; the smallest proportion was 19.96 per cent. in 1858.

The extremely large percentages in any quarter of any year can usually be explained by the character of the mortality in that quarter. Thus, in 1856, there was an epidemic of scarlatina which caused a large mortality in the first quarter of the year ; in 1858, the same disease caused an unusual mortality in the second quarter of the year ; in 1855, there was a very large proportional mortality from diarrhoeal diseases in the third quarter of the year ; and in 1879, scarlatina and diphtheria both caused an unusually large mortality in the fourth quarter of the year ; scarlatina alone causing 161 deaths in that quarter.

In the whole 28 years, from 1855 to 1882 inclusive, in each 100 deaths in Providence, there were, very nearly, 24 in the first quarter of the year, 22 in the second quarter, 29 in the third, and 25 in the fourth.

The following shows the number and percentage of deaths in Providence, in each quarter of the year, in the aggregate for the 28 years, from 1855 to 1882 inclusive ; and also in the year 1883.—

	January-March.		April-June.		July-Sept.		Oct.-Dec.	
	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.	Deaths.	Per cent.
1855-1882.....	9,648.....	24.15.....	8,944.....	22.38.....	11,532.....	28.86.....	9,833.....	24.61
1883.....	557.....	23.92.....	618.....	26.55.....	609.....	26.16.....	544.....	23.37

Sex and Parentage. During the 29 years, 1855 to 1883 inclusive, 42,285 persons died in Providence, of whom 20,679, or 48.90 per cent. were males, and 21,606, or 51.10 per cent. were females.

For many years, in the early history of the present system of registration in Providence, there was, generally, a considerable excess of females among the decedents of American parentage, and an excess of males among the decedents of foreign parentage. During later years, this difference has gradually disappeared, and there is now an excess of females, generally, among the decedents of both American and foreign parentage. In 1883, the decedents were divided, by sex and parentage as follows:—

American parentage.....	505 males.....	542 females.....	total, 1,047
Foreign parentage.....	625 males.....	656 females.....	total, 1,281
Totals.....	1,130 males.....	1,198 females.....	total, 2,328

The decedents of foreign parentage were 234 more than those of American parentage; and the female decedents were 68 more than the male decedents.

Condition. The 2,328 decedents, in 1883, were divided as follows:—

Married.....	American parentage	350;	foreign parentage..	429;	totals..	779
Single.....	"	506;	"	684;	"	1,190
Widows.....	"	141;	"	121;	"	262
Widowers..	"	44;	"	44;	"	88
Divorced.....	"	6;	"	8;	"	9
Totals.....	"	1,047;	"	1,281;	"	2,328

Of the 1,047 decedents of American parentage, 506, or 48.33 per cent. were "single," that is had never been married; and 541, or 51.67 per cent. were married at the time of death, or had been previously. Of the 1,281 decedents of foreign parentage, 684, or

53.39 per cent. were single, and 597, or 46.61 per cent. were, or had been married. This illustrates a difference in the population of American, and of foreign parentage.

In the whole number of decedents the numbers of the several classes, in 1883, as compared with the numbers in 1882, were as follows: Married, 26 more; single, 39 more; widows, 36 more; widowers, 8 less; divorced, 7 less.

Color. There were 2,208 white, and 120 colored decedents in Providence, in 1883. The ratio of deaths to population was: white decedents, 19.16 in each 1,000; colored decedents, 28.91 in each 1,000.

Of the white decedents, 932 were of American, and 1,276 of foreign parentage; of the 120 colored decedents, 115 were of American and 5 of foreign parentage. The white decedents were 61 more, and the colored decedents 25 more, in 1883 than in 1882.

Nativity and Parentage. The record of each decedent in Providence, since 1855, has shown his or her birth-place, and also the birth-places of the decedents' parents; or in other words the nativity, and the parentage of each decedent. The facts obtained from the records in this particular, have been very valuable in many ways. The figures in table XII. show the differences between the nativity and the parentage of the decedents. Thus, there were 1,641 decedents in 1883, who were born in the United States, or 70.49 per cent. of all; but only 1,047, or 44.97 per cent. of all were of American parentage.

There were 687 decedents of foreign birth, or 29.51 per cent. of all; but, including these, there were 1,281 decedents of foreign parentage, or 55.03 per cent. of all.

The decedents of American birth were 55 more in 1883 than in 1882; those of American parentage were 82 more.

The decedents of foreign birth were 31 more in 1883 than in 1882; those of foreign parentage were 4 more.

There were 14 decedents in 1883, who were natives of other foreign countries than those named in table XII. They were as follows: 5 born in Italy; 4 in Sweden; and 1 each in Switzerland, France, Island of Malta, Denmark, and Finland.

There were 45 decedents in 1883, of "other foreign" parentage.

as follows: Italian, 16; Swedish, 8; French, 6; West Indian, 3; Polish and Swiss, and Austrian, 2 each; and 1 each, Russian, African, Danish, Norwegian, Dutch, and Finnish.

Locality. The following table shows the number of deaths, by *parentage*, in each ward of the city in 1883:—

Wards.	American.	Foreign.	Wards.	American.	Foreign.
I.....	116.....	131	VII.....	89.....	93
II.....	66.....	12	VIII.....	97.....	116
III.....	91.....	132	IX.....	173.....	156
IV.....	64.....	66	X.....	98.....	348
V.....	91.....	113	Pub. Institutions.	69.....	84
VI.....	93.....	30			
Whole city.....				1,047.....	1,281

The whole number of deaths in 1883, in the first ward, was 30 less than in 1882; in the second ward, 5 more; third ward, 12 more; fourth, 4 more; fifth, 36 more; sixth, 23 more; seventh, 13 less; eighth, 13 more; ninth, 22 more; tenth, 5 less; public institutions, 19 more; whole city, 86 more.

The deaths in *Public Institutions*, in each of the last four years, have been as follows:—

	1883.	1882.	1881.	1880.
Rhode Island Hospital.....	79.....	76.....	53.....	40
Butler Hospital.....	19.....	22.....	18.....	8
Dexter Asylum.....	22.....	15.....	21.....	13
Home for Aged Men....	2.....	1.....	0.....	1
Home for Aged Women.....	5.....	5.....	3.....	7
Children's Home.....	0.....	1.....	0.....	0
R. C. Orphan Asylum.....	1.....	3.....	2.....	3
R. C. Convent.....	3.....	1.....	2.....	1
Reform School.....	0.....	2.....	1.....	0
Little Sisters' Home for the Poor.....	7.....	6.....	1.....	0
Friends' School.....	0.....	0.....	6.....	0
Shelter for colored children.....	0.....	0.....	3.....	0
Hotels.....	3.....	1.....	4.....	0
Police Stations.....	1.....	1.....	1.....	1
Railroad Station.....	1.....	0.....	0.....	0
Small-Pox Hospital.....	1.....	0.....	0.....	0
St. Elizabeth Home.....	1.....	0.....	0.....	0
Cove Promenade.....	1.....	0.....	0.....	0
Railroad track.....	1.....	0.....	0.....	0
Fire Engine Station.....	1.....	0.....	0.....	0
Bay and Rivers.....	5.....	0.....	0.....	0
Totals.....	153.....	134.....	115.....	74

In the aggregate mortality for twenty-eight years, the average age of the decedents of American parentage was 8.70 years more than the average of the decedents of foreign parentage.

The highest average age of the decedents of American parentage was 36.56 years, in May; the highest of those of foreign parentage was 27.75 years, in April. The lowest American average was 25.77, in July; the lowest foreign average was 19.12 in the same month.

The following table shows the difference in the average age of the American and foreign decedents, by parentage, in each month of the year 1883, and also in each month for the aggregate mortality in the twenty-eight years, from 1856 to 1883, inclusive:—

Difference in the Average Age of American and Foreign Decedents.

MONTHS.	1883.			28 years, 1856-1883.		
	Average Age. Years.		Difference. Years.	Average Age. Years.		Difference. Years.
	American.	Foreign.		American.	Foreign.	
January.....	38.30	30.88	7.42	34.78	26.60	8.18
February	38.78	32.72	6.06	34.47	24.22	10.25
March	42.71	29.33	13.38	35.71	25.75	9.96
April.....	38.61	33.48	5.13	34.52	27.75	6.77
May	41.18	37.29	3.89	36.56	27.61	8.95
June.....	36.99	28.90	8.09	34.95	25.82	9.13
July.....	28.80	22.47	6.33	25.77	19.12	6.65
August.....	32.67	31.02	1.65	27.57	19.85	7.72
September...	37.45	31.48	5.97	29.61	20.78	8.83
October.....	32.02	28.64	3.38	33.24	23.77	9.47
November...	39.07	32.53	6.54	33.55	26.02	7.53
December...	38.06	25.86	12.20	36.18	27.34	8.84
Whole Year..	36.74	31.06	5.68	32.93	24.23	8.70

The greatest monthly difference, in the average age of American, and of foreign decedents, by parentage, was 13.38 years in March, 1883; and 10.25 years for February in the aggregate of twenty-eight years, from 1856 to 1883, inclusive.

The least difference was 1.65 years in August 1883; and 6.65 years for July, in the long period.

The next table (XV), shows the aggregate and the average age of the decedents, *by parentage*, in periods of five years, from 1856 to 1880 inclusive; also in each of the last three years; also in the total for twenty-eight years, from 1856 to 1883 inclusive:—

TABLE XV. DEATHS, 1856-1883.

Recapitulation. Aggregate and average age by parentage.

YEARS.	American Parentage.			Foreign Parentage.			Total American and Foreign.		
	Deaths.	Aggregate Age. Years.	Average Age. Years.	Deaths.	Aggregate Age. Years.	Average Age. Years.	Deaths.	Aggregate Age. Years.	Average Age. Years.
1856-1860.....	2,567	78,431	30.55	2,340	43,134	18.43	4,907	121,565	24.77
1861-1865.....	2,875	91,674	31.88	2,716	57,712	20.64	5,671	149,386	26.34
1866-1870.....	2,908	101,511	34.83	2,719	60,619	24.50	5,625	168,130	29.89
1871-1875.....	4,136	136,979	33.11	4,342	104,330	24.02	8,478	241,309	28.46
1876-1880.....	4,533	145,773	32.15	5,365	132,722	24.73	9,898	278,495	28.13
1881.....	999	34,126	34.16	1,146	32,182	28.08	2,145	66,308	30.91
1882.....	965	32,541	33.72	1,277	38,750	30.34	2,242	71,291	31.80
1883.....	1,047	38,468	36.74	1,281	39,792	31.06	2,328	78,260	33.62
28 years totals	20,028	650,503	32.93	21,266	515,241	24.23	41,294	1,174,744	28.45

The preceding table differs from table XV. in the report for the year 1882. That table showed the facts for each separate year, from 1856 to 1882 inclusive. In the above table we have divided the facts into periods of five years each, thus showing more distinctly the changes that have taken place in the average age of the decedents according to parentage.

It will be noticed that the average age of the decedents of American parentage has changed but little during the whole period of twenty-eight years. In 1860, it was almost the same as the average for the whole period, and in the five years, from 1861 to 1865, the average was only about one year less than for the whole period.

In only one of the twenty-eight years was the average age of the decedents of American parentage *less than thirty years*; but in six of the twenty-eight years the average age of the decedents of foreign parentage *was less than twenty years*, and in no year, until 1882, was it as high as thirty years. (See page 45 of the Report for 1882).

The preceding table shows that the average age of the decedents of foreign parentage has increased with much regularity and almost constantly since 1856. The average age for the first period of five years, was 18.43 years; and for the last period of five years, (1875-1880), the average was 24.73 years. Since 1880, the average has increased still faster.

The reasons for the increase in the average age of the decedents of foreign parentage, are obvious on reflection. In 1856, the foreign population, by parentage, was composed mostly of middle aged, or younger persons, and children. There were, comparatively, few aged persons. Thus at that time, the average age of the living population of foreign parentage was much less than that of the American population, and of course the average age of the decedents was less.

In 1883, the middle aged persons of foreign parentage have become aged, and the average age of the whole population of foreign parentage is much greater than in 1856. The average age of the decedents is, therefore, greater.

The next table (XVI), shows the number and percentage of the decedents, according to parentage, in different divisions of ages, in 1883, and also in the twenty-eight years, from 1856 to 1883, inclusive:—

TABLE XVI. DEATHS, 1883.

Percentages at different ages, according to parentage.

AGES.	American Parentage, 1883.		Foreign Parentage, 1883.		Total American and Foreign, 1883.		28 years. 1856-1883.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
Under 1 year.....	209	19.96	209	16.31	418	17.96	7,958	19.27
1 and under 2.....	56	5.35	74	5.78	130	5.58	3,442	8.83
2 and under 5.....	44	4.20	74	5.78	118	5.07	3,678	8.91
Total under 5.....	309	29.51	357	27.87	666	28.61	15,078	36.51
5 and under 10.....	33	3.15	48	3.75	81	3.48	2,049	4.96
10 and under 15.....	21	2.01	21	1.64	42	1.80	886	2.03
15 and under 20.....	24	2.29	58	4.53	82	3.52	1,383	3.35
20 and under 30.....	82	7.83	179	13.97	261	11.21	4,219	10.29
30 and under 40.....	80	7.64	145	11.32	225	9.67	3,796	9.19
40 and under 50.....	94	8.98	118	9.21	212	9.11	3,183	7.71
50 and under 60.....	96	9.17	138	10.77	234	10.05	3,071	7.44
60 and under 70.....	95	9.07	98	7.65	193	8.29	3,003	7.27
70 and under 80.....	127	12.13	80	6.25	207	8.89	2,857	6.92
80 and under 90.....	72	6.88	36	2.81	108	4.64	1,488	3.60
90 and over.....	14	1.34	8	.23	17	.73	301	.73
Total.....	1,047	100.00	1,281	100.00	2,328	100.00	41,294	100.00

Under one year of age, in 1883, the percentage of decedents of American parentage was considerably greater than the percentage of foreign parentage. Between 10 and 15 years of age, the percentage of American was also greater. With these two exceptions in every division of age up to 60 years, the percentage of American decedents was less, and sometimes very much less, than the percentage of decedents of foreign parentage.

Above 60 years, the percentage of decedents of American parentage, is much greater than the percentage of decedents of foreign parentage; the aggregate of decedents above 60 years of age, being :

American decedents, 29.42 per cent. of all ; foreign decedents, 16.94 per cent. of all.

Of the decedents in 1883, of American parentage, 29.51 per cent. and of those of foreign parentage, 27.87 per cent., were under 5 years of age. The percentage of American parentage, under 5 years, was considerably less than in the previous year, and less than the average for 28 years past. The percentage of foreign parentage was less than ever before in any year.

The following shows the percentage, according to parentage, of the decedents under 5 years of age, in Providence, in periods of five years each, from 1856 to 1880 ; also in each of the three years since 1880 ; also for the whole period of twenty-eight years, from 1856 to 1883, inclusive :—

1

2

3

In previous reports, the above table has been given showing the percentages for each year separately, since 1856. A condensation of the facts, as above, seems to illustrate the subject better than by single years.

It will be seen, from the preceding table, that the percentage of decedents of American parentage, under 5 years of age, has not

changed materially since 1856. The percentage in the first quinquennial period, was 33.35 ; in the last similar period, it was 34.13.

On the other hand, the percentage of decedents of foreign parentage, under 5 years, has steadily decreased in each period from 1856 to the present time. In the first quinquennial period, the percentage was 52.05 ; in the last, it was 39.98.

In the last three years, the percentage of decedents of both American and foreign parentage, under 5 years, has regularly decreased, until last year, when, in both classes, the percentage was smaller than will probably be maintained in the future. The cause of the very small percentage, under 5 years, in the last two years, was probably, the large number of deaths from typhoid fever, the decedents from this cause being mostly adults, and thus the percentage of adults being increased, the percentage of children must be decreased.

During forty-four years, from 1840 to 1883 inclusive, there were 54,439 decedents in Providence, of whom 20,813, or 38.23 per cent. were under five years of age. The number and percentage in each division of age, under 5 years, were as follows :—

Whole number of decedents.....	54,439
Under one year of age.....	10,403, or 19.22 per cent. of all.
One and under two years.....	5,225, or 9.60 per cent. of all.
Two and under five years.....	5,125, or 9.41 per cent. of all.
<hr/>	
Total under five years.....	20,813, or 38.23 per cent. of all.

The next table, XVII, shows the number and percentage of the decedents according to parentage, in each division of age, in the aggregate for twenty-eight years, from 1856 to 1883, inclusive :—

TABLE XVII, DEATHS, 1856-1883.

Number and percentage at different ages, according to parentage.

AGES.	American Parentage, 28 years, 1856-1883.		Foreign Parentage, 28 years, 1856-1883.		American & Foreign Parentage, 28 years, 1856-1883.	
	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.	Number of Deaths.	Percentage in each division of age.
Under 1 year.....	3,554	17.75	4,404	20.71	7,958	19.27
1 and under 2.....	1,286	6.42	2,156	10.14	3,442	8.33
2 and under 5.....	1,509	7.53	2,169	10.20	3,678	8.91
Total under 5.....	6,349	31.70	8,729	41.05	15,078	36.51
5 and under 10.....	901	4.35	1,058	4.97	2,049	4.96
10 and under 15.....	431	2.15	405	1.90	836	2.03
15 and under 20.....	661	3.30	722	3.40	1,383	3.33
20 and under 30.....	1,800	8.99	2,449	11.53	4,249	10.29
30 and under 40	1,731	8.64	2,065	9.71	3,796	9.19
40 and under 50.....	1,530	7.64	1,653	7.77	3,183	7.71
50 and under 60.....	1,636	8.17	1,435	6.75	3,071	7.44
60 and under 70.....	1,745	8.71	1,258	5.91	3,003	7.27
70 and under 80.....	1,864	9.31	993	4.67	2,857	6.99
80 and under 90.....	1,091	5.45	397	1.87	1,468	3.60
90 and over.....	199	.99	102	.48	301	.73
Totals	20,028	100.00	21,206	100.00	41,294	100.00

In the preceeding table, showing the aggregate of decedents, according to parentage, in twenty-eight years past, marked differences will be noticed in the percentages at different ages, between the decedents of American parentage and those of foreign parentage.

The number and the percentage of the decedents of foreign parentage are greater than of those of American parentage, in every division of age up to fifty years, except between 10 and 15 years. The total under 50 years of age shows :—

American parentage.....	13,493 decedents, or 67.37 per cent.
Foreign parentage.....	17,081 decedents, or 80.32 per cent.

Above 50 years, the totals are as follows :—

American parentage.....	6,535 decedents, or 32.63 per cent.
Foreign parentage.....	4,185 decedents, or 19.68 per cent.

The explanation of this difference is probably this : that under 50 years of age, the number and percentage of the living population of foreign parentage in Providence, are greater than of American parentage ; while above 50 years of age, the opposite is true.

Deaths by age, parentage, and season. Table XVIII, which follows, shows the number of deaths at each age, according to parentage, in each month and quarter of the year. This shows the comparative mortality of the population by parentage, and by season.

The whole number of decedents, during the year 1883, was 2,328, of whom 1,047 were of American, and 1,281 of foreign parentage. The percentages of each class, in the different quarters of the year, were as follows :—

	1st Quarter.	2d Quarter.	3d Quarter.	4th Quarter.
American parentage.....	23.97.....	27.60.....	26.08.....	22.35
Foreign parentage....	23.89.....	25.68.....	26.23.....	24.20

The decedents under one year of age of American parentage were 209, or 19.96 per cent. of all of American parentage. The decedents of foreign parentage, of the same age, numbered 209 ; but they were only 16.31 per cent. of all of foreign parentage.

Of the 209 decedents of American parentage, under one year of age, 93, or 44.50 per cent., died in the third quarter of the year. Of the 209 of foreign parentage, under one year of age, 78, or 37.32 per cent. died in the third quarter.

Causes of death. Table XIX, (pages 47–50), shows the number of deaths in Providence, in 1883, from each cause given, and the number from each cause in each division of ages ; also the number from each cause, according to sex and parentage ; also the percentage, from each cause, of the whole number from known causes.

Season and Disease. Table XX, pages (51–52), shows the number of deaths, from each of the most prominent causes, in each month and quarter of the year 1883.

TABLE XVIII. *Deaths by age and parentage in each month and quarter, 1883.*

TABLE XIX. DEATHS, 1883. Disease, sex, age, parentage, and percentage from known causes.

CAUSES OF DEATH.	SEX.		DIVISIONAL PERIODS OF LIFE.											PARENTAGE.		Ratio of deaths from each cause to whole number from known causes.					
	Males.	Females.	Total.	Under 1 Year.	1 and under 2.	3 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.		80 to 90.	90 and over.	American.	Foreign.	Total.
Accidents, (various).....	53	28	81	1	1	2	3	2	1	2	4	3	3	3	1	4	...	9	20	29	1.07
" Burns and Scalds.....	7	6	13	2	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.33
" Drowning.....	4	2	6	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.33
" Falls.....	4	2	6	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.33
" Poisoning.....	9	5	14	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.60
" Railroad.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.13
Abortions.....	8	1	9	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.33
Adenitis.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.17
Anemia.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.17
Aneurism.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
Apoplexy.....	23	23	46	1	1	2	1	1	1	2	7	4	10	30	10	13	5	31	23	54	3.03
Asthenia.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.04
Asthma.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
Atelectasis Pulmonum.....	3	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.17
".....	4	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
".....	5	1	6	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.47
Bronchitis.....	17	10	27	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
Cancer, (various).....	24	27	51	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
Cancer, Breast.....	23	27	50	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
".....	16	19	35	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
" Stomach.....	14	14	28	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
" Uteri.....	10	8	18	1	1	1	1	1	1	1	1	1	1	1	1	1	...	17	10	27	1.13
Carbuncle.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.73
Cellulitis, Pelvic.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.73
Child-birth.....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
".....	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
Convulsions.....	3	3	6	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
" Puerperal.....	3	3	6	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
Child-birth, Puerperal Fever.....	16	16	32	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.09
Cholera Infantum.....	49	16	65	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	4.09
" Morbus.....	5	11	16	1	1	1	1	1	1	1	1	1	1	1	1	1	...	1	1	2	.47

TABLE, XIX.—CONTINUED. DEATHS, 1883. *Disease, sex, age, parentage, and percentage from known causes.*

DISEASE.	SEX.	AGE.	PARENTAGE.	PERCENTAGE FROM KNOWN CAUSES.
[REMAINDER OF TABLE CONTENTS]				

TABLE XIX.—CONTINUED. DEATHS, 1888. Disease, sex, age, parentage, and percentage from known causes.

TABLE XIX.—CONTINUED. DEATHS, 1883. Disease, sex, age, parentage, and percentage from known causes.

DISEASES OF THE RESPIRATORY ORGANS.									
Pneumonia.									
Age.	Sex.	Parentage.	Disease.	Percentage from known causes.	Age.	Sex.	Parentage.	Disease.	Percentage from known causes.
1	M	W	P	100	1	M	W	P	100
2	M	W	P	100	2	M	W	P	100
3	M	W	P	100	3	M	W	P	100
4	M	W	P	100	4	M	W	P	100
5	M	W	P	100	5	M	W	P	100
6	M	W	P	100	6	M	W	P	100
7	M	W	P	100	7	M	W	P	100
8	M	W	P	100	8	M	W	P	100
9	M	W	P	100	9	M	W	P	100
10	M	W	P	100	10	M	W	P	100
11	M	W	P	100	11	M	W	P	100
12	M	W	P	100	12	M	W	P	100
13	M	W	P	100	13	M	W	P	100
14	M	W	P	100	14	M	W	P	100
15	M	W	P	100	15	M	W	P	100
16	M	W	P	100	16	M	W	P	100
17	M	W	P	100	17	M	W	P	100
18	M	W	P	100	18	M	W	P	100
19	M	W	P	100	19	M	W	P	100
20	M	W	P	100	20	M	W	P	100
21	M	W	P	100	21	M	W	P	100
22	M	W	P	100	22	M	W	P	100
23	M	W	P	100	23	M	W	P	100
24	M	W	P	100	24	M	W	P	100
25	M	W	P	100	25	M	W	P	100
26	M	W	P	100	26	M	W	P	100
27	M	W	P	100	27	M	W	P	100
28	M	W	P	100	28	M	W	P	100
29	M	W	P	100	29	M	W	P	100
30	M	W	P	100	30	M	W	P	100
31	M	W	P	100	31	M	W	P	100
32	M	W	P	100	32	M	W	P	100
33	M	W	P	100	33	M	W	P	100
34	M	W	P	100	34	M	W	P	100
35	M	W	P	100	35	M	W	P	100
36	M	W	P	100	36	M	W	P	100
37	M	W	P	100	37	M	W	P	100
38	M	W	P	100	38	M	W	P	100
39	M	W	P	100	39	M	W	P	100
40	M	W	P	100	40	M	W	P	100
41	M	W	P	100	41	M	W	P	100
42	M	W	P	100	42	M	W	P	100
43	M	W	P	100	43	M	W	P	100
44	M	W	P	100	44	M	W	P	100
45	M	W	P	100	45	M	W	P	100
46	M	W	P	100	46	M	W	P	100
47	M	W	P	100	47	M	W	P	100
48	M	W	P	100	48	M	W	P	100
49	M	W	P	100	49	M	W	P	100
50	M	W	P	100	50	M	W	P	100
51	M	W	P	100	51	M	W	P	100
52	M	W	P	100	52	M	W	P	100
53	M	W	P	100	53	M	W	P	100
54	M	W	P	100	54	M	W	P	100
55	M	W	P	100	55	M	W	P	100
56	M	W	P	100	56	M	W	P	100
57	M	W	P	100	57	M	W	P	100
58	M	W	P	100	58	M	W	P	100
59	M	W	P	100	59	M	W	P	100
60	M	W	P	100	60	M	W	P	100
61	M	W	P	100	61	M	W	P	100
62	M	W	P	100	62	M	W	P	100
63	M	W	P	100	63	M	W	P	100
64	M	W	P	100	64	M	W	P	100
65	M	W	P	100	65	M	W	P	100
66	M	W	P	100	66	M	W	P	100
67	M	W	P	100	67	M	W	P	100
68	M	W	P	100	68	M	W	P	100
69	M	W	P	100	69	M	W	P	100
70	M	W	P	100	70	M	W	P	100
71	M	W	P	100	71	M	W	P	100
72	M	W	P	100	72	M	W	P	100
73	M	W	P	100	73	M	W	P	100
74	M	W	P	100	74	M	W	P	100
75	M	W	P	100	75	M	W	P	100
76	M	W	P	100	76	M	W	P	100
77	M	W	P	100	77	M	W	P	100
78	M	W	P	100	78	M	W	P	100
79	M	W	P	100	79	M	W	P	100
80	M	W	P	100	80	M	W	P	100
81	M	W	P	100	81	M	W	P	100
82	M	W	P	100	82	M	W	P	100
83	M	W	P	100	83	M	W	P	100
84	M	W	P	100	84	M	W	P	100
85	M	W	P	100	85	M	W	P	100
86	M	W	P	100	86	M	W	P	100
87	M	W	P	100	87	M	W	P	100
88	M	W	P	100	88	M	W	P	100
89	M	W	P	100	89	M	W	P	100
90	M	W	P	100	90	M	W	P	100
91	M	W	P	100	91	M	W	P	100
92	M	W	P	100	92	M	W	P	100
93	M	W	P	100	93	M	W	P	100
94	M	W	P	100	94	M	W	P	100
95	M	W	P	100	95	M	W	P	100
96	M	W	P	100	96	M	W	P	100
97	M	W	P	100	97	M	W	P	100
98	M	W	P	100	98	M	W	P	100
99	M	W	P	100	99	M	W	P	100
100	M	W	P	100	100	M	W	P	100

TABLE XX. DEATHS, 1883. *Season and Disease.*

--

TABLE XX.—CONTINUED. DEATHS, 1883. *Season and Disease.*

NOTES OF THE CAUSES OF DEATH,

DURING THE YEAR 1883.

The following pages are intended as explanations and comments upon the figures in Table XIX and XX ; and also contain additional and recapitulatory statistics, in relation to different causes of death, which could not be given in those tables. The percentages given are always reckoned upon the number of deaths from *known* causes.

The whole number of deaths in Providence, during the year 1883, was 2,328. Of this number, the cause of death *was stated* in 2,322 cases, and upon this number the percentages are given. The cause was not given in 6 cases, or 0.26 per cent. of the whole number. The number from *unknown* causes was 4 less than in 1882, and the percentage 0.19 less.

During 28 years, from 1856 to 1883 inclusive, the whole number of deaths in Providence, was 41,294 ; the number from *unknown* causes was 581, or 1.41 per cent. ; from *known* causes the number was 40,713. During 44 years, 1840 to 1883 inclusive, there were 54,439 deaths, and of 52,856 the cause was known, and of 1,583 or 2.91 per cent. the cause was *unknown*.

Table XX. shows the number of deaths in Providence, in each month and quarter of the year 1883, from the most important causes of death. In regard to certain diseases, as pneumonia, cholera infantum, etc., the effect of season is very marked.

Abscesses. There were only 3 deaths reported from abscesses, in 1883, or 0.13 per cent. of all from known causes. The location was given as the leg, in one case ; in the other cases the location was not stated.

The statistics of this cause of death are as follows :—

For the year 1883 :—

Total deaths from *known* causes, 2,322.
Deaths from Abscesses, 3; or 0.13 per cent.
Males, 2; female, 1.
American parentage, 2; foreign parentage, 1.

Statistics for 28 years, 1856–1883 inclusive :—

Total deaths from *known* causes, 40,713.
Deaths from Abscesses, 111; or 0.27 per cent.
Males, 53; females, 58.
American parentage, 51; foreign parentage, 60.

Accidents. There were 66 deaths reported in Providence in 1883. from *accidental causes*, or 2.84 per cent. of all from known causes. The number was 11 less than in 1882.

There were 9 accidental deaths from burns and scalds; 7 from drowning; 14 from falls; 3 from poisoning; 8 from railroad accidents; and 25 from various other causes. More particulars of some of these accidents are as follows :

1. *Burns and scalds.* There was one each from burning house, hot bandage, clothes taking fire, naphtha stove, playing with matches, hot water, and falling into a wash-boiler; and two not described.

2. *Falls.* Three fell down stairs; two fell from a ladder; and one each fell from a coal cart, and from a coal pocket; and seven not described.

3. *Poisoning.* One each from Mrs. Winslow's Syrup; over dose of opium, and over dose of medicine.

4. *Railroad accidents.* Two each from hit by a bridge, hit by cars, fell from cars and run over, and two not described.

5. *Various accidents.* Fracture of leg, 2; fracture of thigh, 3; fracture of pelvis, 1; fracture of base of skull, 1; run over by horse cars, 2; by low-gear, 1; by carriage, 1; injury to head, 1; to hip, 1; caught in machinery, 1; choked by an orange seed, 1; gangrene from frost bite, 1; thrown from wagon, 1; kicked by a horse, 2; gun-shot wounds, 1; hit by a bucket in a well, 1; crushed by a wall, 1; crushed in an elevator, 1; internal injury, 1; asphyxia, 1.

The statistics of accidental deaths, in 1883, were :—

Males, 52; females, 14; total, 66; or 2.84 per cent. of all.

American parentage, 17; foreign parentage, 49.

During 28 years, 1856–1883, decedents from accidents :—

Males, 882; females, 299; total, 1,181; or 2.90 per cent. of all.

American parentage, 447; foreign parentage, 734.

Aneurism. Seven deaths were reported in Providence from aneurism in 1883, or 0.30 per cent. of all; 5 of American and 2 of foreign parentage, all males. The locations of the aneurisms were: aorta, 4; abdomen, 2; cerebral, 1.

The statistics of aneurism for twenty-eight years, from 1856–1883, are :—

Males, 31; females, 5; total, 36; or 0.09 per cent. of all.

American parentage, 16; foreign parentage, 20.

Apoplexy. The deaths from this prominent cause have increased very much in the last few years, and especially since 1880. In that year, only 48 deaths were reported from apoplexy, and that was just the average number in each of the five years preceding 1880. But in 1883, there were 84 deaths reported from this disease, and this number was 5 less than in 1882. The statistics of the decedents from apoplexy, in 1883, were as follows :—

Males, 29; females, 55; total, 84; or 3.62 per cent. of all.

American parentage, 51; foreign parentage, 33.

For the 28 years, 1856–1883, the statistics were as follows :—

Total deaths from all known causes, 40,713.

From apoplexy, Males, 470; females, 501; total, 971; or 2.38 per cent. of all.

American parentage, 664; foreign parentage, 307.

Other particulars of the deaths from apoplexy, may be found under the head of “Paralysis.”

Brain, Diseases of. There were 89 deaths reported under this head, in 1883, of which number, 51 were reported as “inflammation,” and 11 “congestion,” leaving 27 as “disease” not specified.

The 89 deaths, were 14 more than in 1882, and comprised 3.79 per cent. of all the deaths from known causes in 1883.

Of the decedents from inflammation of the brain, three-fifths were under 5 years of age, and four-fifths were under 10 years.

The decedents, in 1883, were as follows :—

Males, 46; females, 43; total, 89; or 3.79 per cent. of all.
American parentage, 43; foreign parentage, 46.

In twenty-eight years, 1856–1883, the statistics were :—

Males, 838; females, 734; total, 1,572; or 3.86 per cent. of all.
American parentage, 815; foreign parentage, 757.

Bronchitis. Among acute diseases of the lungs, bronchitis is always prominent, and numbered 57 victims in 1883, or 3 less than in 1882. Thirty-one of the decedents were under 5 years of age, and 18 were over 60 years, leaving only 8 between 5 and 60 years. The statistics of bronchitis in 1883, were :—

Males, 28; females, 29; total, 57; or 2.46 per cent. of all.
American parentage, 24; foreign parentage, 33.

The statistics of the decedents from bronchitis, in 28 years, 1856–1883, were as follows :—

Males, 283; females, 346; total, 629; or 1.54 per cent. of all.
American parentage, 279; foreign parentage, 350.

Cancer is an important cause of death, and numbered 84 victims in Providence, in 1883, or 3.62 per cent. of all the deaths from causes that were known. The deaths from cancers were 32 more, and the per cent. 1.02 greater than in 1882. The local manifestations of the 84 cases of cancer were as follows: cancer of the breast, 14; of the stomach, 18; of the uterus, 17; liver, 9; rectum, and abdomen, 3 each; bowels and omentum, 2 each; and neck, spleen, thorax, sub-maxillary gland, chin, chest, ovary, vulva, humerus, prostate gland, bladder, and pancreas, 1 each. This leaves 4 not specified.

The decedents from cancer, in 1883, were :—

Males, 26; females, 58; total, 84; or 3.62 per cent. of all.
American parentage, 47; foreign parentage, 37.

In 28 years, 1856–1883, the decedents from cancer were :—

Males, 283; females, 747; total, 1,030; or 2.53 per cent. of all.

American parentage, 640; foreign parentage, 390.

Of the 1,030 decedents from cancer, in twenty-eight years, 72.52 in each 100 were females; and 62.13 in each 100 were of American parentage. The percentage of deaths from cancer has increased largely in the last twenty-five years, in Providence.

Child-birth. There were 27 deaths in Providence, in 1883, from child-birth, including 2 from puerperal convulsions, and 16 from puerperal fever. The whole number was the same as in 1882.

The 27 deaths from child-birth in 1883, were 1.17 per cent. of all the deaths from known causes. The decedents were :—

Of American parentage, 10; of foreign parentage, 17.

The decedents in 28 years, 1856–1883, were :—

488 from child-birth; or 1.20 per cent. of all.

American parentage, 203; foreign parentage, 285.

The 27 decedents, in 1883, from child-birth, were 0.94 per cent. of the 2,885 mothers who bore children in Providence during that year; and the 488 decedents from this cause, in 28 years, were 0.86 per cent. of the 56,866 mothers who bore children during that period.

Cholera Infantum. There were 95 deaths from this cause, in Providence, during the year 1883, or 35 less than in the preceding year.

The decedents were as follows :—

Males, 46; females, 49; total, 95; or 4.09 per cent. of all.

American parentage, 37; foreign parentage, 58

The following table shows the sex, and parentage of the decedents from cholera infantum, in Providence, in each of the 28 years, from 1856 to 1883 inclusive :—

	SEX.		PARENTAGE.		Whole	
	Males.	Females.	American.	Foreign.	Number.	Percentage.
1856.....	35.....	22.....	16.....	41.....	57.....	5.54
1857.....	27.....	23.....	26.....	24.....	50.....	5.54
1858.....	27.....	22.....	13.....	36.....	49.....	4.98
1859.....	14.....	19.....	13.....	20.....	33.....	3.40
1860.....	35.....	33.....	26.....	42.....	68.....	7.00
1861.....	29.....	32.....	25.....	36.....	61.....	6.09
1862.....	25.....	19.....	17.....	27.....	44.....	4.85
1863.....	36.....	30.....	19.....	47.....	66.....	5.54
1864.....	29.....	29.....	18.....	40.....	58.....	4.85
1865.....	20.....	30.....	13.....	37.....	50.....	4.81
1866.....	30.....	17.....	15.....	32.....	47.....	4.64
1867.....	24.....	25.....	23.....	26.....	49.....	5.19
1868.....	38.....	32.....	22.....	48.....	70.....	6.44
1869.....	35.....	30.....	27.....	38.....	65.....	5.54
1870.....	48.....	45.....	37.....	56.....	93.....	7.44
1871.....	30.....	32.....	26.....	36.....	62.....	5.00
1872.....	72.....	79.....	58.....	93.....	151.....	9.56
1873.....	42.....	50.....	39.....	53.....	92.....	5.61
1874.....	72.....	62.....	44.....	90.....	134.....	6.43
1875.....	62.....	74.....	50.....	86.....	136.....	7.13
1876.....	66.....	56.....	43.....	79.....	122.....	6.29
1877.....	70.....	52.....	43.....	79.....	122.....	6.31
1878.....	35.....	35.....	26.....	44.....	70.....	3.56
1879.....	30.....	29.....	28.....	31.....	59.....	2.92
1880.....	42.....	58.....	41.....	59.....	100.....	4.44
1881.....	58.....	44.....	35.....	67.....	102.....	4.70
1882.....	66.....	64.....	50.....	80.....	130.....	5.80
1883.....	46.....	49.....	37.....	58.....	95.....	4.00
28 years.....	1,143.....	1,092.....	830.....	1,405.....	2,235.....	5.00

Of the 95 decedents, in 1883, from cholera infantum, 75 were under one year of age, and 17 between one and two years.

Of the 2,235 decedents, in 28 years, 830, or 37.14 per cent. were of American parentage, and 1,405, or 62.86 per cent. were of foreign parentage.

Some statistics of cholera infantum, in connection with other diarrhœal diseases, will be found hereafter under the head of "Diarrhœa and Dysentery."

Cholera Morbus. There were 11 deaths from this cause in 1883, or 2 less than in 1882. The annual number of deaths from cholera morbus, has varied, during the last 29 years, from 1 to 17, the annual average being only 5.

The decedents, in 1883, were:—

Males, 5; females, 6; total, 11; or 0.47 per cent. of all.
American parentage, 5; foreign parentage, 6.

In the last 28 years, 1856–1883, there were 144 deaths reported from cholera morbus, or 0.35 per cent. of all from known causes.

Consumption. There were 364 deaths reported in Providence from consumption, during the year 1883, or 13 more than in 1882. The percentage from consumption, of all the deaths in 1883, from known causes, was 15.68. or 0.04 less than in 1882.

Estimating the population of Providence at 119,405, for the middle of the year 1883, we find that there was one death from consumption in 328 of the inhabitants. In 1882, the rate was one in 326, or 3.05 in each 1,000; and in 1881, it was one in 312, or 3.20 in each 1,000. Probably, to a considerable extent, on account of more complete and accurate records, there has been a large decrease in the rate of mortality from consumption. During the 15 years, 1840–1854, the average annual rate was one death from consumption in 209.9; during the twenty-eight years, 1856–1883, the average annual rate was one death from consumption in 311.7 of the population of Providence.

The decedents, in 1883, were as follows:—

American parentage.....	males, 47 ...	.....females, 60.....	total, 107
Foreign parentage.....	males, 119.....	females, 132.....	total, 257
<hr/>			
Totals.....	males, 166.....	females, 192.....	total, 364

The general statistics of consumption, during 28 years, from 1856 to 1883 inclusive, are as follows:—

Total deaths from known causes, 40,713; from consumption, 6,749; or 16.58 per cent.	
Annual average, 241.	
American parentage.....	males, 1,322.....females, 1,689.....total, 3,011
Foreign parentage.....	males, 1,757.....females, 1,981.....total, 3,738
<hr/>	
Totals.....	males, 3,079.....females, 3,670.....total, 6,749
<hr/>	
Males, 45.62 per cent.....females, 54.38 per cent.	
American parentage, 44.61 per cent.....foreign parentage, 55.39 per cent.	

The number and percentage, according to parentage, of the decedents from consumption, in periods of five years each, since 1856, and for the years 1881, 1882, and 1883, were as follows:—

	American Parentage.		Foreign Parentage.		Deaths from
	Number.	Per cent.	Number.	Per cent.	Consumption.
1856 to 1860.....	525.....	56.45.....	405.....	43.55.....	930
1861 to 1865.....	495.....	50.77.....	480.....	49.23.....	975
1866 to 1870.....	532.....	50.57.....	520.....	49.43.....	1,052
1871 to 1875.....	553.....	44.78.....	682.....	55.21.....	1,235
1876 to 1880.....	570.....	38.05.....	928.....	61.95.....	1,498
1881.....	116.....	31.72.....	228.....	68.28.....	344
1882.....	118.....	32.19.....	258.....	67.81.....	351
1883.....	107.....	29.40.....	257.....	70.60.....	364
28 years.....	3,011.....	44.61.....	3,738.....	55.39.....	6,749

This table shows that, of all the decedents from consumption in Providence, the *percentage* of American parentage has largely decreased since 1856, while the percentage of foreign parentage has correspondingly increased.

The next table shows the number of decedents, from consumption, by parentage, in each year since 1856. We find from that table that the actual *number* of decedents of American parentage, from consumption, has not increased since 1856, notwithstanding the increase of population. In 1856, there were 104 decedents from consumption, of American parentage; in 1857, there were 120; in 1860, there were 123, and that is the largest number in any year since 1856, and in 1883, there were only 107.

On the contrary, the decedents, from consumption, of foreign parentage, have increased enormously since 1856. In that year, the number was 74 of foreign parentage, and in 1883 the number was 257. The decedents of American parentage, from consumption, in 1883, was only 3 more than in 1856, while those of foreign parentage, from the same disease, were 183 more.

In my report for 1880, it was shown that the ratio of decedents, of American parentage, in 1856, was one death from consumption in 268.2 of the living population of American parentage; while in 1880 the ratio was only one death in 435.2.

On the other hand, the ratio from consumption of the decedents of foreign parentage, was one in 262.6 of the living population of foreign parentage, in 1856, and one in 268.0 in 1880. See City Registrar's Report for 1881, pages 63, 64, and 65.

The following table gives various important particulars in regard to the decedents from consumption, in Providence, in each of the twenty-eight years, from 1856 to 1883 inclusive:—

DEATHS FROM CONSUMPTION IN PROVIDENCE, TWENTY-EIGHT YEARS, 1856-1883.

Sex; percentage; season; age; whole number, and percentage from known causes.

Year.	Male.	Female.	Whole Number.	Percentage.	Season.	Age.	Whole Number.	Percentage.	Known Causes.
1856	10	10	20	100	...	...	...	...	...
1857	12	12	24	100	...	...	...	...	...
1858	15	15	30	100	...	...	...	...	...
1859	18	18	36	100	...	...	...	...	...
1860	20	20	40	100	...	...	...	...	...
1861	22	22	44	100	...	...	...	...	...
1862	25	25	50	100	...	...	...	...	...
1863	28	28	56	100	...	...	...	...	...
1864	30	30	60	100	...	...	...	...	...
1865	32	32	64	100	...	...	...	...	...
1866	35	35	70	100	...	...	...	...	...
1867	38	38	76	100	...	...	...	...	...
1868	40	40	80	100	...	...	...	...	...
1869	42	42	84	100	...	...	...	...	...
1870	45	45	90	100	...	...	...	...	...
1871	48	48	96	100	...	...	...	...	...
1872	50	50	100	100	...	...	...	...	...
1873	52	52	104	100	...	...	...	...	...
1874	55	55	110	100	...	...	...	...	...
1875	58	58	116	100	...	...	...	...	...
1876	60	60	120	100	...	...	...	...	...
1877	62	62	124	100	...	...	...	...	...
1878	65	65	130	100	...	...	...	...	...
1879	68	68	136	100	...	...	...	...	...
1880	70	70	140	100	...	...	...	...	...
1881	72	72	144	100	...	...	...	...	...
1882	75	75	150	100	...	...	...	...	...
1883	78	78	156	100	...	...	...	...	...

DEATHS FROM CONSUMPTION IN PROVIDENCE. TWENTY-EIGHT YEARS, 1856-1883.—CONTINUED.

Sex; parentage; season; age; whole number, and percentage from known causes.

No.	Sex	Parentage	Season	Age	Whole number	Percentage from known causes
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53						
54						
55						
56						
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
86						
87						
88						
89						
90						
91						
92						
93						
94						
95						
96						
97						
98						
99						
100						

Percentage of consumption. The preceding table shows that of all the deaths in 28 years, from known causes, 16.58 per cent. were from consumption; the percentage varying from 13.57, in 1873, to 22.60, in 1860. During the last ten years, the percentage has not exceeded 16.15, in any year.

During the whole period of 15 years, previous to 1855, the percentage from consumption was 22.11 in each 100 of all the deaths from causes that were known.

The decrease in the percentage from consumption, since 1855, has undoubtedly been caused, to some extent, at least, by more accurate diagnosis and records.

Season and consumption. It has not been generally supposed that season had much influence upon the mortality from consumption; but the figures in the preceding table seem to indicate that such influence does exist. In the aggregate of deaths from consumption in 28 years, 1856–1883, the smallest number of deaths in any month, was in August, 517; and the largest number was in January, 611. In fact, the monthly number of deaths increased regularly from August to January, and decreased regularly from January to August, the only exception being the month of February which is two or three days shorter than the other months.

The deaths from consumption in the different quarters of the year, also show the largest numbers in the first and fourth quarters, and much the smallest number in the third quarter. It would seem that cold weather has some influence, in this climate, in increasing the mortality from consumption.

Convulsions. Sixty deaths were reported, in 1883, as caused by convulsions, or 8 more than in 1882. The decedents were:—

Males, 30; females, 30; total, 60; or 2.59 per cent.

American parentage, 24; foreign parentage, 36.

During 28 years, from 1856 to 1883 inclusive, the whole number of deaths, from known causes, was 40,713, of which 1,046, or 2.57 per cent., were reported as caused by convulsions. The decedents from convulsions were:—

Males, 569; females, 477; total, 1,046.

American parentage, 436; foreign parentage, 610.

The larger portion of the decedents from convulsions are under 5 years of age, and the term itself is only a symptom of some unknown cause.

Croup. There were 35 deaths reported from croup, in Providence, in 1883, or 3 more than in 1882. The rate was 1.51 per cent. of all the deaths from known causes.

By season, the deaths from croup, in 1883, were as follows:—

1st quarter.....	12	3d quarter.....	3
2d quarter.....	6	4th quarter.....	14

The decedents from croup, in 1883, were:—

Males, 17; females, 18; total, 35; or 1.51 per cent. of all.
American parentage, 13; foreign parentage, 22.

In 28 years, 1856–1883, the decedents from croup, were:—

Whole number, 883; annual average, 31.
Males, 440; females, 443; total, 883; or 2.17 per cent.
American parentage, 358; foreign parentage, 525.

The next table gives the statistics of croup in Providence, for 28 years, 1856 to 1883 inclusive, showing the sex, color, and parentage of the decedents; the season and locality of the deaths; and the percentage from croup of all the deaths from known causes:—

DEATHS FROM CROUP IN PROVIDENCE, TWENTY-EIGHT YEARS, 1856-1883.

CROUP.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	Total.	
Whole number....	28	28	27	24	18	24	31	33	45	29	23	19	11	19	27	35	27	21	29	56	63	40	38	43	29	49	32	35	883	
Percentage	2.52	3.11	2.71	2.76	1.83	2.27	3.51	2.78	3.59	2.44	2.27	2.01	1.01	1.53	2.16	2.82	1.71	1.23	1.48	2.95	3.48	2.07	1.93	2.13	1.41	2.30	1.43	1.51	2.17	
SEX:																														
Males.....	16	10	12	18	7	13	17	20	20	11	11	9	5	10	16	18	13	6	19	31	32	18	18	27	8	24	14	17	440	
Females.....	10	12	15	6	11	11	14	13	25	18	12	10	6	9	11	17	14	15	10	25	33	22	20	16	21	25	18	18	443	
PARENTAGE:																														
American.....	6	18	13	12	4	9	15	11	19	9	11	9	4	6	15	20	6	6	15	19	27	14	18	22	7	17	14	13	358	
Foreign.....	20	10	15	12	14	15	16	23	26	20	12	10	7	13	12	15	21	15	14	37	33	26	20	21	22	32	18	22	525	
SEASON:																														
January	4	3	4	7	2	1	5	2	8	5	5	3	1	3	5	5	3	2	3	10	5	5	4	9	5	7	5	7	123	
February	5	1	4	...	1	3	3	3	9	4	1	3	...	7	4	6	2	3	1	9	6	1	5	5	...	6	1	2	95	
March.....	2	4	4	3	2	3	2	8	4	1	2	2	1	...	4	3	3	3	6	8	2	3	3	8	3	2	4	3	98	
April.....	1	1	5	1	4	3	2	3	6	3	...	2	2	...	1	2	2	3	2	...	1	5	6	4	1	2	4	1	67	
May.....	2	3	3	1	1	2	4	2	3	1	1	2	...	2	1	1	2	1	...	2	...	4	...	2	...	3	1	3	47	
June.....	1	1	2	1	1	2	4	...	2	4	...	...	...	...	...	...	...	2	...	1	...	1	...	2	...	2	...	2	29
July.....	1	4	1	2	...	...	...	...	3	1	1	...	1	...	...	5	...	1	...	...	2	...	1	...	...	2	...	...	28
August.....	2	1	...	...	1	...	...	2	...	1	1	...	...	...	...	1	...	...	1	...	...	...	1	...	...	1	...	...	12
September.....	...	3	...	1	...	3	...	1	...	2	1	...	...	2	...	1	...	...	3	...	9	...	...	...	3	4	...	...	50
October.....	...	2	...	3	4	...	3	4	1	3	5	1	1	1	3	4	2	...	2	3	15	3	...	...	2	6	...	...	89
November.....	2	2	4	2	...	...	5	3	1	2	3	1	1	2	3	7	4	2	6	12	9	9	8	7	11	7	8	5	128
December.....	4	3	...	3	2	6	3	5	3	2	3	2	2	2	3	...	9	3	5	6	16	8	8	2	4	7	3	4	122	
LOCALITY:																														
Ward	2	8	2	2	1	4	3	6	3	6	3	4	2	3	9	8	4	4	4	9	8	7	6	8	2	3	3	6	130	
"	1	...	2	...	2	2	1	...	2	2	...	2	...	...	1	1	...	1	...	...	1	2	1	...	...	...	...	...	21
"	3	4	2	3	3	3	1	4	6	9	...	3	1	...	5	3	7	4	1	...	8	2	3	2	4	...	...	...	109
"	5	3	1	3	2	3	2	3	5	1	...	1	...	4	3	1	2	1	...	...	4	...	1	...	1	3	2	...	51
"	5	3	2	9	1	2	10	3	4	3	...	5	...	3	...	6	4	1	...	...	3	...	...	...	2	12	1	...	107
"	4	5	10	...	5	1	5	9	17	4	11	3	...	2	...	2	1	...	1	...	2	...	2	1	...	1	...	2	91	
"	6	5	8	7	4	4	9	8	8	4	...	...	...	1	...	3	1	...	4	...	3	...	1	...	...	5	...	2	108
"	...	...	...	...	...	...	...	...	...	...	...	1	2	3	2	4	3	2	5	...	6	...	4	6	...	4	4	3	64
"	...	...	...	...	...	...	...	...	...	...	...	...	1	3	4	7	5	2	7	14	12	6	7	7	...	7	7	6	97
"	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	18	14	11	8	9	9	9	13	110
Colored.....	...	1	1	1	...	2	2	...	1	...	1	1	1	1	1	1	15

A careful study of the figures in the preceding table would furnish the grounds for lengthy comments which we have not time nor space for, at present. A few words must suffice.

It will be noticed that the number of deaths, and the percentages do not show any evidence of an epidemic prevalence of this disease. The number of deaths is greater in some years than in others; and is especially greater in years when diphtheria was epidemic, indicating, perhaps, that in the diagnosis croup was sometimes confounded with diphtheria. From this fact, and others which we do not refer to at this time, we are justified in the opinion that: *True croup never prevails as an epidemic.* In this respect, it differs very markedly from diphtheria.

Croup depends very much upon season, and especially upon temperature, increasing in the autumn as the weather grows colder. Notice in the table that, in the aggregate for 28 years, there were only 12 deaths in August, while there were 128, 122, and 123 respectively in November, December, and January. The total number in 28 years, in the four quarters of the year, were as follows:—

First quarter..... deaths, 311	Third quarter.....deaths, 90
Second quarter.....deaths, 143	Fourth quarter.....deaths, 339

A comparison of the mortality, with respect to season, of the three diseases, croup, diphtheria, and scarlatina, will be found hereafter under the head of “Diphtheria.”

Debility. This word gives very slight, if any, information in regard to the real cause of death. In fact it is only a symptom, or a result of the real cause. Nevertheless we find “debility” given as the cause of a considerable number of deaths, every year. In 1883, there were 27 deaths reported from debility, of which 13 were “debility from premature birth.” The 27 decedents, in 1883, were as follows:—

Males, 10; females, 17; total, 27; or 1.16 per cent of all.
American parentage, 14; foreign parentage, 13.

For the 28 years, 1856–1883, the statistics of *debility* were:—

Whole number of deaths, 689; annual average, 25.
Males, 363; females, 326; total, 689; or 1.69 per cent. of all.
American parentage, 294; foreign parentage, 395.

Diarrhœa and Dysentery. There were 75 deaths reported from these diseases, in 1883, or 11 more than in 1882 ; the rate was 3.23 per cent. of all from known causes, or 0.37 per cent. more than in 1882. These and other diseases usually called “ *diarrhœal*,” are included in the following table :—

	Males.	Females.	American.	Foreign.	Total.	Per cent.
Acute Diarrhœa.	19.....	33.....	27.....	25.....	52.....	2.24
Chronic Diarrhœa	4.....	3.....	4.....	3.....	7.....	0.30
Dysentery.....	6.....	10.....	5.....	11.....	16.....	0.69
Cholera Infantum.....	46..	49.....	37.....	58.....	95.....	4.09
Cholera Morbus.....	5.....	6.....	5.....	6.....	11.....	0.47
Enteritis.....	7.....	5.....	5.....	7.....	12.....	0.52
Enteritis, Gastro.....	7.....	9.....	7.....	9.....	16.....	0.69
Enteritis, Colo.....	1....	2.....	2.....	1.....	3.....	0.13
Totals.....	95.....	117.....	92.....	120.....	212.....	9.13

The total decedents from all these causes, were :—

Males, 95 ; females, 117 ; total, 212 ; or 9.13 per cent. of all.
American parentage, 92 ; foreign parentage, 120.

The whole number is 44 less than in 1882, and the rate is 2.32 less ; the number of males, 36 less, of females, 8 less ; of American parentage, 18 less, of foreign parentage, 26 less.

The decedents from all these diseases, during the 28 years, from 1856 to 1883 inclusive, were as follows :—

Number of decedents, 4,430 ; annual average, 158.
Males, 2,204 ; females, 2,226 ; total, 4,430 ; or 10.55 per cent. of all.
American parentage, 1,511 ; foreign parentage, 2,619.

The proportions of decedents, according to parentage, from diarrhœal diseases, were as follows :—

	Foreign.	American.
1883.....	122.3 foreign to each 100 American ; or 55.63 per cent.	44.97 American in each 100
28 years.....	122.3 foreign to each 100 American ; or 55.63 per cent.	44.97 American in each 100

In the total decedents, in 1883, from all causes, the proportions were 122.3 foreign to each 100 Americans ; or 55.63 foreign, and 44.97 American in each 100 decedents.

The following table shows the number of deaths from each diarrhoeal disease, and the percentage of the total of the deaths from all these diseases, in different periods of time, from 1840 to 1883 inclusive :—

	Cholera Infantum.	Cholera Morbus.	Diarrhoea.	Dysentery.	Enteritis.	Total.	Per cent. of all from known causes.
1840-1854.....	560.....	63.....	349.....	796.....	102.....	1,870.....	16.77
1855-1859.....	250.....	14.....	159.....	127.....	23.....	573.....	12.06
1860-1864.....	297.....	17.....	154.....	189.....	46.....	703.....	13.37
1865-1869.....	281.....	35.....	125.....	187.....	37.....	665.....	12.15
1870-1874.....	532.....	26.....	185.....	91.....	97.....	931.....	12.94
1875-1879.....	509.....	24.....	169.....	77.....	104.....	883.....	9.13
1880.....	100.....	4.....	30.....	12.....	19.....	165.....	7.99
1881.....	102.....	4.....	43.....	14.....	19.....	182.....	8.55
1882.....	130.....	13.....	41.....	23.....	49.....	256.....	11.45
1883.....	95.....	11.....	59.....	16.....	31.....	212.....	2.13
44 years.....	2,856.....	211.....	1,314.....	1,532.....	527.....	6,440.....	12.18

The deaths from Asiatic cholera are not included in these figures. They were as follows : 158 in 1849 ; 159 in 1854 ; and 14 in 1866 ; total, 331.

Diphtheria. There were 54 deaths reported from diphtheria, in 1883, a smaller number than in any other year since 1875, except 1882, when there were 48 deaths. The percentage in 1883, was 2.33 per cent. of all the deaths from known causes.

The sex and parentage of the decedents from diphtheria, in 1883, were as follows :—

Males, 20 ; females, 34 ; total, 54 ; or 2.33 per cent. of all.
American parentage, 27 ; foreign parentage, 27.

The first deaths from diphtheria in Providence, in recent times, were in 1858. During 26 years, from 1858 to 1883 inclusive, there were 1,372 decedents from diphtheria, as follows :—

Decedents from all known causes in 26 years, 38,785.
From diphtheria, 1,372 ; annual average, 53.
Males, 680 ; females, 692 ; total, 1,372 ; or 3.39 per cent. of all.
American parentage, 674 ; foreign parentage, 698.

There seems to be a curious difference in the parentage of the decedents from diphtheria depending upon the fact whether the disease is epidemic or not.

Thus in the period from November, 1876 to 1879, when the disease was epidemic, the decedents from diphtheria were 56.89 of foreign parentage, and 43.61 of American parentage, in each 100.

But from 1858 to October 1876, during which time the disease did not become epidemic, the decedents from diphtheria were 58.68 of American, and 41.32 of foreign parentage in each 100, the figures when the disease was epidemic being almost exactly the reverse of the figures when it was not epidemic.

Since the end of the epidemic, in 1879, the American class is again in excess, thus: in 1880, 57.38 per cent. American, 42.62 foreign; in 1881, 50.86 per cent. American, 49.14 foreign; in 1882, 54.17 American, 45.83 foreign. In 1883, the numbers, American and foreign, were equal.

The following table shows the percentage, season, and locality of the deaths from diphtheria; also the sex and parentage of the decedents, in each of the 26 years, from 1858 to 1883 inclusive:—

MONTHS.	DIPHTHERIA. 1858-1883. 26 years.		SCARLATINA. 1855-1883. 29 years.		CROUP. 1855-1883. 29 years.	
	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.	Number of Deaths.	Per cent.
January.....	128	9.88	266	12.53	125	13.71
February.....	90	6.56	231	10.88	98	10.75
March.....	106	7.73	193	9.09	98	10.75
1st quarter.....	324	23.62	690	32.50	321	35.21
April.....	96	7.00	193	9.09	72	7.89
May.....	90	6.56	199	9.37	49	5.37
June.....	82	5.98	166	7.82	31	3.40
2d quarter.....	268	19.54	558	26.28	152	16.66
July.....	61	4.45	113	5.32	30	3.29
August.....	64	4.66	90	4.24	12	1.31
September.....	119	8.67	95	4.48	50	5.48
3d quarter.....	244	17.78	298	14.04	92	10.08
October.....	193	14.43	139	6.55	91	9.98
November.....	188	13.70	187	9.31	130	14.26
December.....	150	10.98	251	11.82	123	13.32
4th quarter.....	531	39.06	577	27.18	347	38.05
Totals.....	1,372	100.00	2,123	100.00	912	100.00

The preceding table shows the figures for each quarter of the year. If we divide the year into periods of four months, the figures are as follows :—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 4 months.....	490	30.62	883	41.59	393	43.10
2d 4 months.....	297	21.65	568	26.75	123	13.37
3d 4 months.....	655	47.73	672	31.66	397	43.53

Dividing the year into periods of six months each, the figures are as follows :—

SEASONS.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1st 6 months.....	592	43.16	1,248	58.78	473	51.87
2d 6 months.....	780	56.84	876	41.22	439	48.13

The most casual reference to the preceding tables, cannot fail to show very great differences in the three diseases named, with respect to season. Let us notice a few things.

The following statement will contrast the three diseases in regard to season and mortality :—

PERCENTAGES.	DIPHTHERIA.		SCARLATINA.		CROUP.	
	Per cent.		Per cent.		Per cent.	
Largest monthly.....	October.....	14.43	January.....	12.53	November....	14.25
Smallest monthly.....	July.....	4.45	August.....	4.24	August.....	1.31
Largest quarterly.....	Fourth qr....	39.06	First qr.....	32.50	Fourth qr....	38.05
Smallest quarterly.....	Third qr.....	17.78	Third qr.....	14.04	Third qr.....	10.08
Largest 4 months.....	Third 4 mos..	47.73	First 4 mos...41.59		Third 4 mos..	43.53
Smallest 4 months.....	Second 4 mos.	21.65	Second 4 mos.	26.75	Second 4 mos.	13.37
Largest half yearly.. ..	Second 6 mos.	56.84	First 6 mos...58.78		First 6 mos...51.87	
Smallest half yearly.....	First 6 mos. 43.16		Second 6 mos.	41.22	Second 6 mos.	48.13

An examination of the preceding tables shows marked differences in the mortality of the three diseases given, with respect to season. In the aggregate for the long periods named, we find the greatest mortality to be : of diphtheria, in October ; of scarlatina, in January ; and of croup, in November.

Diphtheria shows an almost uniform increase from July to October, and then a uniform decrease from October to July.

Scarlatina shows a uniform increase from August to January, and then a uniform decrease from January to August.

Croup shows an increase from August to November, and then a decrease from November to August. But croup seems to depend more upon cold than either of the other diseases. There is but a very slight difference in the percentages from croup, in the three months November, December, and January; and February and March have both a large percentage from this disease.

Diphtheria has 13.68 per cent. *more* of deaths in the last half of the year than in the first half; while on the contrary, scarlatina has 17.56 per cent. *more* in the first half than in the last half of the year. The difference in croup is comparatively slight.

Similar and other illustrations of the differences between these diseases, were given in the reports for 1860, 1870, and in those from 1877 to 1880 inclusive. The subject is of very great interest and importance.

Dropsy. This symptom of disease was reported as the sole cause of 4 deaths, in 1883; one male, 3 females; all of American parentage; total, 4, or 0.17 per cent. of all from known causes.

Erysipelas. There were 14 deaths reported from erysipelas, in 1883; the same number as in 1882. The decedents were:—

Males, 7; females, 7; total, 14; or 0.60 per cent. of all.
American parentage, 6; foreign parentage, 8.

During 28 years, 1856–1883, the decedents were:—

Males, 105; females, 119; total, 224; or 0.55 per cent. of all.
American parentage, 122; foreign parentage, 102.

Fever, Typhoid. The severe epidemic of typhoid fever, in Providence, in the autumn of 1882, was renewed in March and April, 1883. There were 15 deaths in January, 6 in February, 11 in March, and 32 in April. There was also the usual increase of typhoid fever in the autumn of 1883, giving 16 deaths in September, and 12 in October. The result was that, in the whole year 1883, there were 128 deaths in the city from this disease, a greater number than was ever before known, in a single year, except in 1882.

The decedents, in 1883, were as follows:—

Males, 72; females, 56; total, 128; or 5.51 per cent. of all.
American parentage, 54; foreign parentage, 74.

During 28 years, 1856–1883, the decedents were :—

Whole number from typhoid fever, 1,381 ; annual average, 49.

Males, 709 ; females, 672 ; total, 1,381 ; or 3.39 per cent. of all.

American parentage, 729 ; foreign parentage, 652.

In past years, there have been occasionally, deaths reported as caused by “fever,” and some as “bilious fever,” and about 30 in all as “typhus fever.” There was also, in 1869, one death from “intermittent,” and one from “malarial” fever ; and in 1880, one death from “malarial” fever. These were all included with typhoid fever during the 25 years previous to 1881. Since 1880, with the new and increased development of malaria, in this vicinity, the deaths from malarial, remittent, intermittent fevers and others of this class, have been kept separately. There were three in 1881 ; 5 in 1882 ; and 6 in 1883, of what may be termed the malarial class of fevers.

The following table shows the statistics of typhoid fever, in Providence, for each of the 28 years, 1856–1883 ; including the whole number, percentage, season, and locality of the deaths ; and the sex, color, parentage, and ages of the decedents :—

Sex ; parvntage ; color ; season ; age ; locality ; whole number, and percentage from known causes.

1888

21

19

* 17 were in Rhode Island Hospital. † 14 were in Rhode Island Hospital.

The preceding table gives very full particulars of the deaths and the decedents from typhoid fever. The general and comparative results, for the whole period of twenty-eight years, may be expressed plainly and briefly as follows :—

Percentage. In 1876, and in 1881, the deaths from typhoid fever were 1.78 per cent. of all the deaths from causes that were known. In 1882, the percentage was 6.27, and these were the extremes during the whole period. The average percentage, for the whole twenty-eight years, was 3.39.

Sex. In the whole period, from 1856 to 1883 inclusive, there were 709 male, and 672 female decedents from typhoid fever. This is at the rate of 105.5 males to each 100 females; or 51.34 males, and 48.66 females in each 100 decedents from this disease.

Parentage. Of 1,381 decedents, in 28 years, from typhoid fever. 729 were of American, and 652 of foreign parentage; or 111.8 of American to each 100 of foreign parentage; or 52.79 American and 47.21 foreign in each 100 decedents.

Season. Typhoid fever is especially a disease of the autumn, and its annual increase at that season is always expected. Of the whole number, 1,381 deaths from typhoid fever, in 28 years, the number and percentage in each quarter of the year, were as follows :—

	Number.	Per cent.		Number.	Per cent.
1st quarter.....	202.....	14.63	2d quarter.....	214.....	15.49
3d quarter.....	348.....	25.20	4th quarter.....	617	44.82

The fourth quarter of the year, has many more deaths from typhoid fever, and a much greater percentage, than either two of the other quarters.

If we divide the year into three sections of four months each, the number and proportions of deaths from typhoid fever, were as follows :—

	Number.	Per cent.
First four months.....	281.....	20.36
Second four months.....	300.....	21.72
Third four months.....	300.....	21.72

Considerably more than half of all the deaths from typhoid fever are in the last third of the year.

Dividing the year into two parts, we find the number and proportion of the decedents as follows :—

	Number.	Per cent.		Number.	Per cent.
1st 6 months.....	416.....	30.12	2d 6 months.....	965.....	69.88

These illustrations make the fact very plain, of the great excess of mortality from typhoid fever in the last half of the year, and especially in the last four months.

The following table shows the number and percentage of the decedents from typhoid fever, in each division of age, in the aggregate mortality for the year 1883, and also for the 28 years, from 1856 to 1883 inclusive :—

Of the 128 decedents, in 1883, from typhoid fever, 85, or 66.40 per cent. were between 15 and 40 years of age. Of the 1,381 decedents in 28 years, 816, or 59.08 per cent. were between 15 and 40 years.

The next table shows the number of deaths, and the aggregate and average age of the decedents, in each of the twenty-eight years, from 1856 to 1883 inclusive :—

Decedents from typhoid fever ; aggregate and average age.

YEARS.	Number of Deaths.	Aggregate Age.			Average Age.		
		Years.	Mos.	Days.	Years.	Mos.	Days.
1856.....	30	788	5	3	26	3	11
1857.....	30	781	.....	13	26	.....	13
1858.....	24	829	5	23	34	6	22
1859.....	37	1 252	7	18	33	10	9
1860.....	20	706	6	19	35	3	23
1861.....	23	722	3	7	31	4	23
1862.....	21	540	9	11	25	9	.....
1863.....	47	1,456	11	28	30	11	29
1864.....	42	1,360	.....	27	32	3	15
1865.....	82	2,262	4	14	27	7	2
1866.....	46	1,420	2	17	30	10	15
1867.....	33	654	4	25	19	9	29
1868.....	24	692	7	3	28	10	9
1869.....	35	1,214	4	13	34	2	11
1870.....	52	1,421	1	7	27	3	22
1871.....	53	1,610	11	15	30	4	23
1872.....	68	2,161	3	19	31	9	12
1873.....	61	1,672	6	10	27	5	1
1874.....	60	1,553	11	24	25	10	24
1875.....	71	1,938	5	19	27	3	19
1876.....	33	922	8	17	27	11	16
1877.....	43	1,243	11	23	28	11	5
1878.....	47	1,151	9	27	24	6	2
1879.....	40	1,206	9	20	30	2	1
1880.....	53	1,505	2	4	23	4	24
1881.....	38	1,156	.....	13	30	5	2
1882.....	140	3,594	4	5	25	2	13
1883.....	128	3,138	11	2	24	6	2
28 years... ..	1,381	32,964	4	6	28	2	17

The average age, as well as the percentages at different ages, shows that the great majority of the decedents from typhoid fever are in the prime of life.

Heart, Diseases of. During the year 1883, there were 172 deaths from diseases of the heart, in Providence, including 3 from “hypertrophy,” which are given separately in the table XIX. Among the different kinds of diseases of the heart, named in the returns in 1883, were 8 specified as “fatty degeneration ;” 11 “endocarditis ;” 2 “pericarditis ;” 3 “angina pectoris ;” 3 “dilatation ;” 2 “endopericarditis ;” 1 “dropsy ;” 2 “paralysis ;” 1 “valvular.”

The decedents from diseases of the heart, in 1883, were :—

Males, 93 ; females, 79 ; total, 172 ; or 7.41 per cent. of all.
American parentage, 87 ; foreign parentage, 85.

In the twenty-eight years, from 1856 to 1883 inclusive, there were

2,017 deaths from diseases of the heart, in Providence, or 4.95 per cent. of all the deaths from "known" causes.

The following shows the particulars of the decedents from diseases of the heart, in periods of five years each from 1856 to 1880, and annually since 1880.

In the report for 1882, page 85, these particulars were given for each year separately.

One important fact is shown, beyond all controversy, by the figures of the preceding table, in connection with the table of annual deaths in last year's report. It is this:

There has been a very great actual and relative increase in the mortality from diseases of the heart, in Providence, during the last twenty-eight years.

In 1856, there were 21 deaths from these diseases; in 1883, there were 172 deaths. In 1856, the deaths from diseases of the heart were 2.03 per cent. of all the deaths from known causes; in 1883, they were 7.41 per cent. The smallest number, and the smallest percentage of deaths from diseases of the heart were in 1856; the largest number and largest percentage were in 1883.

Besides this, there has been an increase, between every two periods named in the preceding table, with one exception.

Between 1856 and 1883, the decedents from diseases of the heart increased 719 per cent. ; the decedents of American parentage increased 444 per cent. ; those of foreign parentage increased 1600 per cent. ; and the percentage of deaths from diseases of the heart, increased 265 per cent.

The causes of this great increase of diseases of the heart, present a subject of much importance and interest ; but which we are unable to investigate at this time.

Hemorrhage. This was reported as the cause of twelve deaths in 1883 ; of which six were hemorrhage from the lungs ; two were umbilical hemorrhage and the others were not specified. The decedents were :—

Males, 8 ; females, 4 ; total, 12 ; or 0.52 per cent. of all.
American parentage, 7 ; foreign parentage, 5.

Hernia. There were three deaths from this cause in 1883 ; 4 less than in 1882, and 0.18 per cent. less.

Males, 1 ; females, 2 ; total, 3 ; or 0.13 per cent. of all.
American parentage, 2 ; foreign parentage, 1.

Hooping Cough. There were only 4 deaths from hooping cough in 1883 ; in each of the two preceding years there were 40 deaths from this cause. All the decedents in 1883 were less than two years old. They were :—

Males, 2 ; females, 2 ; total, 4 ; or 0.17 per cent. of all.
American parentage, 4 ; foreign parentage, 0.

The statistics for the twenty-eight years, 1856–1883, are :—

Whole number, 481 ; annual average, 17.
Males, 208 ; females, 273 ; total, 481 ; or 1.18 per cent. of all.
American parentage, 213 ; foreign parentage, 268.

Hydrocephalus was reported as the cause of 32 deaths in 1883 ; 4 more than in 1882 ; and 0.13 per cent. more. All but four of the decedents were less than five years old. The sex and parentage were as follows :—

Males, 15 ; females, 17 ; total, 32 ; or 1.38 per cent. of all.
American parentage, 17 ; foreign parentage, 15

For the twenty-eight years, 1856 to 1883; the decedents from Hydrocephalus, were :—

Whole number, 854; annual average, 30.

Males, 467; females, 387; total, 854; or 2.10 per cent. of all.

American parentage, 439; foreign parentage, 415.

Inanition. There were 7 deaths in 1883, of which the reported cause was inanition; in 1882, there were 4, and that was the first time that it has appeared in the list of causes. In 1882, all the decedents were males, less than a year old; one of American and three of foreign parentage. In 1883, six were under one year, and one was between 60 and 70 years old. There were 5 males and 2 females; 3 of American, and 4 of foreign parentage; total 7, or 0.30 per cent. of all from known causes.

Insanity. The number of deaths from insanity in 1883, was 18; 6 more than in 1882, and 0.24 per cent. more. The decedents were :—

Males, 7; females, 11; total, 18; or 0.78 per cent. of all.

American parentage, 11; foreign parentage, 7.

For the twenty-eight years, 1856–1883, the decedents reported from insanity, were :—

Whole number, 302; annual average, 11.

Males, 138; females, 164; total, 302; or 0.74 per cent. of all.

American parentage, 215; foreign parentage, 87.

Of the 302 decedents, 45.70 per cent. were males, and 54.30 per cent., females; 71.19 per cent. of American, and 28.81 per cent. of foreign parentage.

Of the eighteen decedents in 1883, eleven died at the Butler Hospital for the insane; in some years, a much larger proportion of the deaths from insanity occur at this institution, which is within the city limits, but where the patients, of course, are gathered from many different places.

Intemperance. There were 16 deaths reported from intemperance in 1883, including 3 from delirium tremens; the whole number was 2 less than in 1882; the number from delirium tremens, the same. The decedents from intemperance were :—

Males. 9; females, 7; total, 16; or 0.69 per cent. of all.
American parentage, 4; foreign parentage, 12.

For the twenty-eight years, 1856–1883, the reported decedents from intemperance, were :—

Whole number, 293; annual average, 10.
Males, 202; females, 91; total, 293; or 0.72 per cent. of all.
American parentage, 82; foreign parentage, 211.

Of the 293 decedents, 68.94 per cent. were males; and 72.01 per cent., of foreign parentage.

Kidneys, Diseases of. The number of deaths from diseases of the kidneys in 1883, was 58, including 34 from “Bright’s Disease.” The number was 6 more than in 1882, all the increase being among those from Bright’s Disease. The sex and parentage of the decedents were as follows :—

Males, 35; females, 23; total, 58; or 2.50 per cent. of all.
American parentage, 30; foreign parentage, 28.

For the twenty-eight years, 1856–1883 :—

Whole number, 684; annual average, 24.
Males, 394; females, 290; total, 684; or 1.68 per cent. of all.
American parentage, 370; foreign parentage, 314.

Liver, Diseases of. Seventeen deaths, in 1883, were caused by diseases of the liver; 7 less than in 1882.

Males. 11; female, 6; total, 17; or 0.73 per cent. of all.
American parentage, 5; foreign parentage, 12.

For the twenty-eight years, 1856–1883, the decedents from diseases of the liver, were :—

Whole number, 444; annual average, 16.
Males. 232; females, 212; total, 444; or 1.09 per cent. of all.
American parentage, 209; foreign parentage, 235.

Malformations. There were 13 deaths reported from malformation in 1883, which was 4 more than in the year previous. In one case the malformation was not specified; the rest were 6 cases of malformation of the heart; 3 of the spine; 2 of the rectum, and one of the anus. There were :—

Males, 5 ; females, 8 ; total, 13 ; or 0.56 per cent. of all.
American parentage, 9 ; foreign parentage, 4.

In the twenty-eight years, 1856–1883, there were :—

Males, 141 ; females, 92 ; total, 233 ; or 0.57 per cent. of all.
American parentage, 146 ; foreign parentage, 87.

Marasmus was assigned as the cause of 48 deaths in 1883 ; 9 more than in 1882 ; 41 of the decedents, or 85.42 per cent., were less than one year old.

Males, 34 ; females, 14 ; total, 48 ; or 2.07 per cent. of all.
American parentage, 25 ; foreign parentage, 23.

The statistics for the twenty-eight years, 1856–1883, are :—

Whole number, 774 ; annual average, 27.
Males, 426 ; females, 348 ; total, 774 ; or 1.90 per cent. of all.
American parentage, 386 ; foreign parentage, 388.

Measles. There were 8 deaths from this cause reported in 1883 ; 4 more than in the preceding year.

Males, 6 ; females, 2 ; total, 8 ; or 0.35 per cent. of all.
American parentage, 6 ; foreign parentage, 2.

The following table shows the number of deaths that have occurred from measles, in each year since 1856, and shows how irregular has been its prevalence in Providence.

1856..... 1	1864..... 7	1872..... 7	1879..... 0
1857..... 2	1865..... 7	1873.....28	1880..... 3
1858.....40	1866..... 9	1874..... 4	1881.....25
1859..... 0	1867..... 0	1875..... 0	1882..... 4
1860..... 0	1868..... 4	1876..... 0	1883..... 8
1861..... 6	1869..... 6	1877..... 2	—
1862..... 1	1870.....16	1878.....50	Total, 28 yrs..247
1863.....16	1871..... 1		

Nearly all the deaths reported from measles, are really from a *secondary* cause which is generally pneumonia.

The following are the particulars of the decedents from measles during the twenty-eight years, 1856–1883 :—

Whole number, 247 ; annual average, 9.
Males, 117 ; females, 130 ; total, 247 ; or 0.61 per cent. of all.
American parentage, 76 ; foreign parentage, 171.

Of the 152 decedents, 92, or 60.53 per cent. were less than 15 years old.

Old Age. The number of deaths ascribed to old age in 1883, was 84; 5 more than in 1882. Twelve of the decedents were over 90 years old. The 84 deaths were 3.62 per cent. of all deaths from known causes. But this was but a small part of all the aged decedents during the year, as the following figures show. The whole number of decedents over 70 years old, was 332, or 213 of American parentage, and 119 of foreign parentage; or 14.30 per cent. of all decedents from known causes.

The decedents reported from "old age," in 1883, were:—

Males, 27; females, 57; total, 84; or 3.62 per cent. of all.
American parentage, 44; foreign parentage, 40.

For the twenty-eight years, 1856–1883:—

Whole number, 1,563; annual average, 56.
Males, 530; females, 1,033; total, 1,563; or 3.84 per cent. of all.
American parentage, 934; foreign parentage, 629.

Of the 1,563 decedents, 66.09 per cent. were females; and 59.76 per cent were of American parentage. The number of decedents, over 70 years of age, during this period, was 4,646; 11.41 per cent. of all from known causes; 3,154 of American, and 1,492 of foreign parentage.

Paralysis. There were 34 deaths from this cause in 1883, including 4 from Locomotor Ataxia.

Males, 16; females, 18; total, 34; or 1.46 per cent. of all.
American parentage, 24; foreign parentage, 10.

In the twenty-eight years, 1856–1883, there were:—

Whole number, 527; annual average, 19.
Males, 268; females, 259; total, 527; or 1.29 per cent. of all.
American parentage, 378; foreign parentage, 149.

The following table shows the number of deaths from paralysis, and from apoplexy, in each of the twenty-eight years, since 1856:—

Years.	Apoplexy.	Paralysis.	Total.	Years.	Apoplexy.	Paralysis.	Total.
1856.....	21.....	2.....	23	1870.....	28.....	24.....	52
1857.....	18.....	9.....	27	1871.....	33.....	28.....	61
1858.....	15.....	3.....	18	1872.....	31.....	20.....	51
1859.....	16.....	6.....	22	1873.....	36.....	21.....	57
1860.....	17.....	11.....	28	1874.....	36.....	23.....	59
1861.....	14.....	11.....	25	1875.....	41.....	35.....	76
1862.....	19.....	5.....	24	1876.....	44.....	24.....	68
1863.....	20.....	8.....	28	1877.....	50.....	24.....	74
1864.....	18.....	16.....	29	1878.....	42.....	24.....	66
1865.....	20.....	18.....	38	1879.....	56.....	30.....	86
1866.....	21.....	8.....	29	1880.....	48.....	30.....	78
1867.....	31.....	18.....	49	1881.....	74.....	27.....	101
1868.....	22.....	24.....	46	1882.....	89.....	28.....	117
1869.....	32.....	16.....	48	1883.....	84.....	34.....	118
Total 28 years.....				971.....	527.....	1,498	

The decedents from both causes, for the twenty-eight years were :

Whole number, 1,498 ; annual average, 53.
Males, 788 ; females, 760 ; total, 1,498 ; or 3.68 per cent. of all.
American parentage, 1,042 ; foreign parentage, 456.

The decedents were 69.56 per cent. of American, and 30 44 per cent. of foreign parentage.

Peritonitis. The deaths from this cause in 1883, were 22 ; 5 more than in 1882.

Males, 6 ; females, 16 ; total, 22 ; or 0.95 per cent. of all.
American parentage, 13 ; foreign parentage, 9.

In the twenty-eight years, from 1856 to 1883, the deaths have been as follows :—

Whole number, 288 ; annual average, 10.
Males, 123 ; females, 165 ; total, 288 ; or 0.71 per cent. of all.
American parentage, 157 ; foreign parentage, 131.

Pneumonia. The number of deaths from pneumonia in 1883, was 188 ; 18 more than in 1882 ; and from congestion of the lungs, 16 ; 10 more than in the previous year. They occurred as follows in the different seasons of the year.

1st quarter.....	74	3d quarter.....	15
2d quarter.....	75	4th quarter.....	40

Of the 204 decedents, there were :—

Males, 109 ; females, 95 ; total, 204 ; or 8.79 per cent. of all.
American parentage, 89 ; foreign parentage, 115.

The decedents from pneumonia and congestion of the lungs, during the twenty-eight years, 1856—1883, were as follows :—

Whole number, 3,063 ; annual average, 109.
Males, 1,578 ; females, 1,485 ; total, 3,063 ; or 7.52 per cent. of all.
American parentage, 1,496 ; foreign parentage, 1,567.

This disease is one of the most important, in this climate, and has destroyed, on an average for 28 years, 7.52 in each 100 of all the decedents in the city. We therefore give very full statistics in relation to it.

The following table gives the statistics of pneumonia, (including congestion of the lungs), showing the whole number, the season, and the percentage from known causes, of the deaths, with the sex, age, and parentage of the decedents from this cause, in Providence, during the twenty-eight years, from 1856 to 1883 inclusive :—

Sex; parentage; season; age; whole number, and percentage from known causes.

141

142

143

The number of deaths, 204 from pneumonia, in 1883, was larger than in any previous year ; but the percentage from pneumonia of all the deaths from known causes had been larger in four previous years, than in 1883.

Percentage. The percentage of the deaths from pneumonia, of all from known causes, has not specially increased during the last twenty-eight years, though it has been larger than the average, during the last five years. The average percentage from pneumonia for twenty-eight years, has been 7.52 in each 100. The percentage has been less than this average in eighteen, and greater in ten of the twenty-eight years.

Sex. The decedents in Providence, from pneumonia, in twenty-eight years, were 1,578 males, and 1,485 females ; or 51.51 males, and 48.49 females in each 100 decedents. The percentage of each sex, in the living population, is 47.73 males, and 52.27 females in each 100. It would seem, therefore, that the male sex suffers more than the female, from pneumonia.

Parentage. The living population of Providence consists of 46.07 of American, and 53.93 of foreign parentage in each 100. During 28 years, 1856–1883, the decedents from pneumonia were 1,496 of American and 1,567 of foreign parentage ; or 48.84 American, and 51.16 foreign in each 100. This shows that the population of American parentage suffers more from pneumonia than the population of foreign parentage.

Season. Pneumonia is plainly affected by season, and increases with the increase of cold. But the cold of the early months of the year seems to be more fatal than that of the last months. In the aggregate for twenty-eight years, the greatest mortality is in January ; but February, March, and April have, each, a greater mortality than December. So too, the first quarter, January–March, has nearly 400 more deaths than the last quarter, October–December, in the aggregate for twenty-eight years. Even the second quarter of the year, April–June, has a greater mortality from pneumonia than the last quarter.

The following shows the number of deaths in Providence, and the percentage, from pneumonia, in each quarter of the year, in the aggregate of deaths for 28 years, from 1856 to 1883 inclusive :—

Season.	Deaths from Pneumonia.	Percentage.
First quarter, January-March.....	1,143.....	37.32
Second quarter, April-June.....	862.....	28.14
Third quarter, July-September.....	297.....	9.70
Fourth quarter, October-December.....	761.....	24.84
Whole Year.....	3,063.....	100.00

Dividing the year into periods of four months each, we have the following deaths, and percentages from pneumonia, in the aggregate mortality for twenty-eight years :—

Season.	Deaths from Pneumonia.	Percentage.
First four months, January-April.....	1,532.....	50.03
Second four months, May-August.....	652.....	21.28
Third four months, September-December.....	679.....	22.70
Whole Year.....	3,063.....	100.00

It would seem that it is not cold weather alone that causes pneumonia ; the severe cold of November and December does not produce as much pneumonia as the *continued*, though not so severe cold, of the season from January to April. Possibly it is the well known depressing effect of *continued* cold that makes the very young and the very old more liable to pneumonia.

Age. Pneumonia is specially fatal to the very young and the very old. There are more deaths from this disease, in the first year of life, than in any other ten years.

Dividing the years of life into five periods, we have the following numbers and percentages of deaths from pneumonia, in the aggregate for twenty-eight years, 1856-1883 :—

Periods.	Deaths from Pneumonia.	Percentage.
One to five — 5 years.....	4,157.....	32.75
Five to twenty — 15 years.....	171.....	5.58
Twenty to fifty — 30 years... ..	700.....	22.86
Fifty to eighty — 30 years.....	910.....	29.71
Eighty and over — 20 years.....	95.....	3.10
Totals.....	3,063.....	100.00

The decedents from pneumonia, under five years, and over fifty years, comprise 71.56 in each 100 of all the decedents from this disease, leaving only 28.44 in each 100, who were in the 45 years of life between 5 and 50 years.

Rheumatism. There were 11 deaths ascribed to rheumatism in 1883 ; 3 more than in 1882.

Males, 4 ; females, 7 ; total, 11 ; or 0.47 per cent. of all.
American parentage, 6 ; foreign parentage, 5.

Scarlatina. The deaths from this cause in 1883, numbered only 16 ; 2 less than in 1882, and less than in any year since 1877. In the twenty-nine years, 1855–1883, there have been only four, when the number of deaths from scarlatina was less than in 1883. The decedents, in 1883, were one, under one year old ; three between one and two years ; seven between two and five ; and five between five and ten.

Males, 7 ; females, 9 ; total, 16 ; or 0.69 per cent. of all.
American parentage, 6 ; foreign parentage, 10.

For the twenty-nine years, 1855–1883, the general statistics of scarlatina are as follows :—

Whole number of deaths, 2,123 ; annual average, 73.
Males, 1,046 ; females, 1,077 ; total, 2,123 ; or 5.21 per cent. of all.
American parentage, 871 ; foreign parentage, 1,252.

The following table gives the particulars of sex, parentage, season, and locality, and the percentage from known causes, for the aggregate of five years, 1855–1859, and for each of the twenty-four years, 1860–1883 :—

7

8

9

1917-18.

... of such a class
... "malignant" or
... is reckoned in

... 17-19 years,
... annual average, 14.
... 126 or 0.26 per cent.
... foreign parentage, 8

... caused by tumor
... ovarian: 6 uterine

... and, 11: or 0.47 pe
... percentage, 7: foreign parentage

... out six deaths i
... 11.25 per cent.
... was 4 less, and th

... females, 1: total, 6; or
... percentage, 8; for

... of the unknown

Whole number, 6-
... females, 278:
American parentage:

(of the 278) decedents
... were of foreign par

Evidences of full protection from small-pox are required of all children entering the public schools of Providence.

Spine, Diseases of. There were 4 deaths from diseases of the spine in 1883 ; 5 less than in 1882, and 0.17 per cent. of all deaths from known causes. The decedents were all females.

American parentage, 1 ; foreign parentage, 3.

Stomach, Diseases of. There were 21 deaths from diseases of the stomach in 1882, 16 being characterized as "inflammation ;" the number was 3 less than in 1882.

Males, 5 ; females, 16 ; total, 21 ; or 0.91 per cent. of all.

American parentage, 3 ; foreign parentage, 18.

Suicide. The number of deaths by suicide in 1883, was 15 ; 3 more than in 1882. Six were by shooting, and one each by taking arsenic, chloroform, corrosive sublimate, laudanum, morphia, Paris green, and strychnine ; one person jumped from a window ; and one into a well.

Males, 9 ; females, 6 ; total, 15 ; or 0.65 per cent. of all.

American parentage, 8 ; foreign parentage, 7.

For the twenty-eight years, 1856-1883, the figures are :—

Males, 132 ; females, 56 ; total, 188 ; or 0.46 per cent. of all.

American parentage, 105 ; foreign parentage, 83.

Teething. There were 14 deaths reported in 1883, as caused by teething ; 2 less than in 1882.

Males, 8 ; females, 6 ; total, 14 ; or 0.60 per cent. of all.

American parentage, 7 ; foreign parentage, 7.

Tuberculosis was given as the cause of 18 deaths in 1883 ; 6 more than in 1882.

Males, 8 ; females, 10 ; total, 18 ; or 0.78 per cent. of all.

American parentage, 10 ; foreign parentage, 8.

There are several diseases which might properly be brought together under this head ; but they have never been so classified in

these reports ; if it were done, the percentage of such a class would exceed that of any other. The heading of "tuberculosis" was first used separately in 1867 ; since then the deaths so reckoned have been as follows :—

Whole number from known causes in seventeen years, 29,421.

From tuberculosis, 236 ; annual average, 14.

Males, 106 ; females, 130 ; total, 236 ; or 0.80 per cent. of all.

American parentage, 152 ; foreign parentage, 84.

Tumors. There were 11 deaths caused by tumors in 1883 ; 5 more than in 1882. Three were ovarian ; 6 uterine ; and 2 were of the brain.

Males, 0 ; females, 11 ; total, 11 ; or 0.47 per cent. of all.

American parentage, 7 ; foreign parentage, 4.

Unknown. There were but six deaths in 1883, for which no cause was assigned ; this was 0.26 per cent. of all the deaths during the year. The number was 4 less, and the per cent., 0.19 less than in 1882.

Males, 5 ; females, 1 ; total, 6 ; or 0.26 per cent. of all.

American parentage, 3 ; foreign parentage, 3.

The statistics of the "unknown," for the twenty-eight years, 1856–1883, are :—

Whole number, 581 ; annual average, 21.

Males, 303 ; females, 278 ; total, 581 ; or 1.43 per cent. of all.

American parentage, 199 ; foreign parentage, 382.

Of the 581 decedents reported from unknown causes, 65.75 per cent. were of foreign parentage.

STILL-BORN.

The following statistics are given concerning the still-born children in Providence in 1883.

Number. There were 162 still-born children in 1883 ; the same number as in 1882. This number was 5.55 per cent of the 2,916 children born during the year 1883, or one in 18.

Sex. There were 84 male children ; 12 less than in 1882 ; and 78 female children, or 12 more than in the previous year.

Color. White, 153 ; colored, 9.

Locality. First ward, 23 ; second, 4 ; third, 19 ; fourth, 6 ; fifth, 19 ; sixth, 2 ; seventh, 14 ; eighth, 17 ; ninth, 24 ; tenth, 34.

Season. January, 14 ; February, 9 ; March, 10 ; April, 18 ; May, 16 ; June, 18 ; July, 10 ; August, 15 ; September, 24 ; October, 12 ; November, 8 ; December, 8.

The number and percentage in each quarter of the year were :—

Number. Per cent.		Number. Per cent.	
1st quarter.....	33.....20.87	3d quarter.....	49.....30.25
2d quarter.....	52.....32.10	4th quarter.....	28.....17.28

Parentage. The following table shows the parentage of the 162 still-born children in 1883 ; the first letter indicating the birth-place of the father ; the second, that of the mother :—

Reckoned according to the father's birth-places, 1,463, or 43.89 per cent., were American ; 1,386, or 41.58 per cent. were Irish ; and 477, or 14.31 per cent. were children of other foreign fathers ; of 7, the parentage was not stated.

The following figures show the whole number of children borne by mothers of different nativities, during the twenty-eight years, 1856–1883 inclusive ; also the number of still-born children to mothers of each class ; and the percentage of the latter of the whole number of children :—

	Whole number Of children.	Still-born children.	Percentage of still-born.	Or 1 in
American mothers.....	27,395.....	1,461.....	5.33.....	18.75
Irish mothers.....	21,357.....	1,454.....	6.81.....	14.69
English, Scotch or Welsh mothers....	4,447.....	220.....	4.95.....	20.21
German mothers.....	1,166.....	38.....	3.26.....	30.68
British American mothers.....	2,096.....	95.....	4.53.....	22.06
Other foreign mothers.....	1,095.....	65.....	5.94	16.85
Total.....	57,556.....	3,333.....	5.79.....	17.27

BIRTHS AND DEATHS BY PARENTAGE.

The following recapitulatory table shows the number of births and deaths, by parentage, in Providence, in each of the twenty-eight years, from 1856–1883 inclusive. In the three years, 1863, 1864, and 1865, there was an excess of deaths over the births, in the population of American parentage:—

TABLE XXII.

YEAR.	AMERICAN PARENTAGE.			FOREIGN PARENTAGE.		
	Deaths.	Births.	Excess of Births	Deaths.	Births.	Excess of Births
1856.....	541	750	218	524	916	392
1857.....	523	701	178	402	987	585
1858.....	512	771	259	505	953	448
1859.....	479	659	180	420	934	514
1860.....	512	731	219	489	917	428
1861.....	538	740	202	513	965	472
1862.....	460	663	203	454	866	412
1863	597	528	—69	617	779	162
1864.....	649	579	—70	622	765	133
1865.....	631	546	—85	580	752	172
1866.. ..	513	726	213	523	906	383
1867.....	528	725	197	432	899	467
1868.....	596	882	286	514	964	470
1869.....	627	926	299	629	893	264
1870.....	642	890	248	621	999	378
1871.....	643	980	337	611	980	369
1872.	832	1,035	203	771	1,171	400
1873.....	863	1,003	141	857	1,125	268
1874.....	885	1,217	332	1,102	1,563	461
1875.....	914	1,180	266	1,001	1,484	483
1876.....	875	1,169	294	990	1,462	472
1877.....	908	1,238	330	1,030	1,305	275
1878.....	889	1,215	326	1,100	1,412	312
1879.....	941	1,328	387	1,065	1,294	229
1880.....	920	1,252	332	1,160	1,375	215
1881.....	909	1,365	456	1,146	1,438	292
1882.....	965	1,370	405	1,277	1,418	141
1883.....	1,047	1,457	410	1,281	1,459	178
28 years.....	20,028	26,535	6,507	21,296	31,021	9,725





